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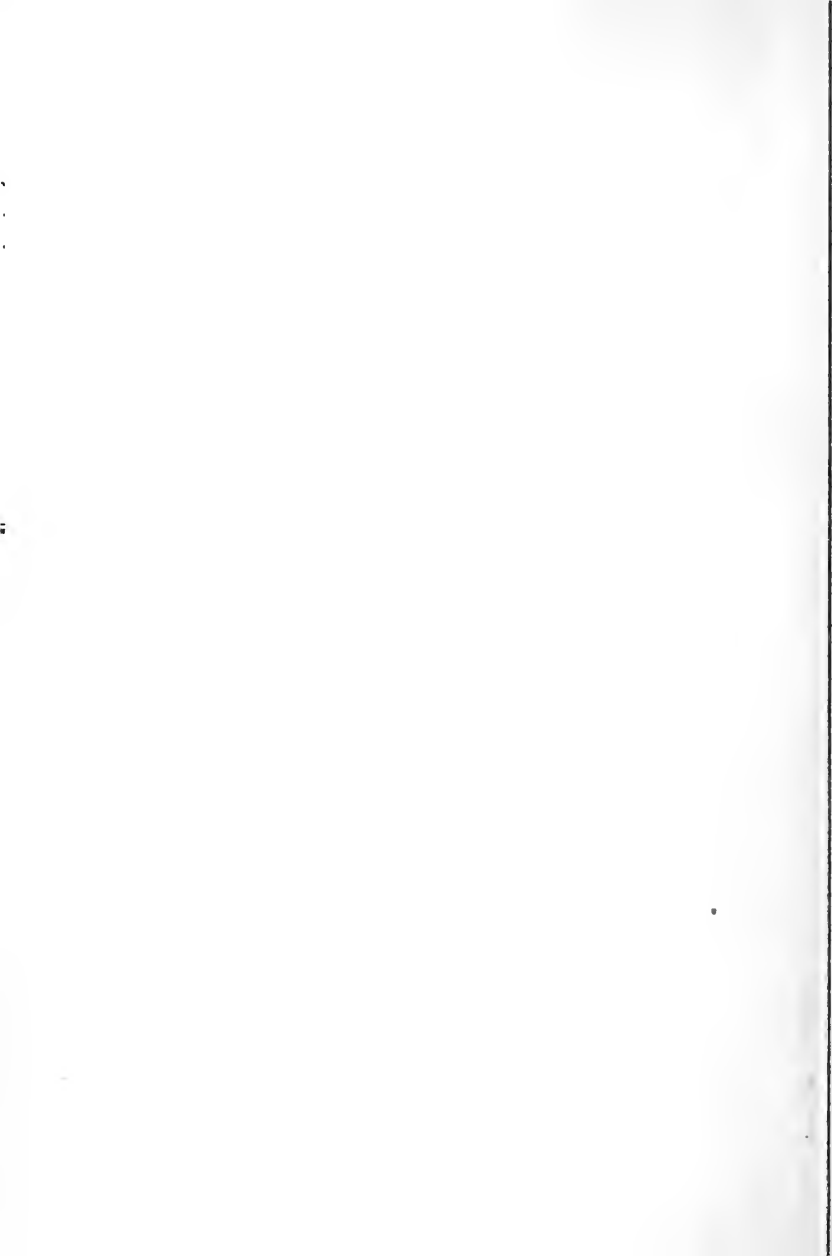


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QUARTERLY

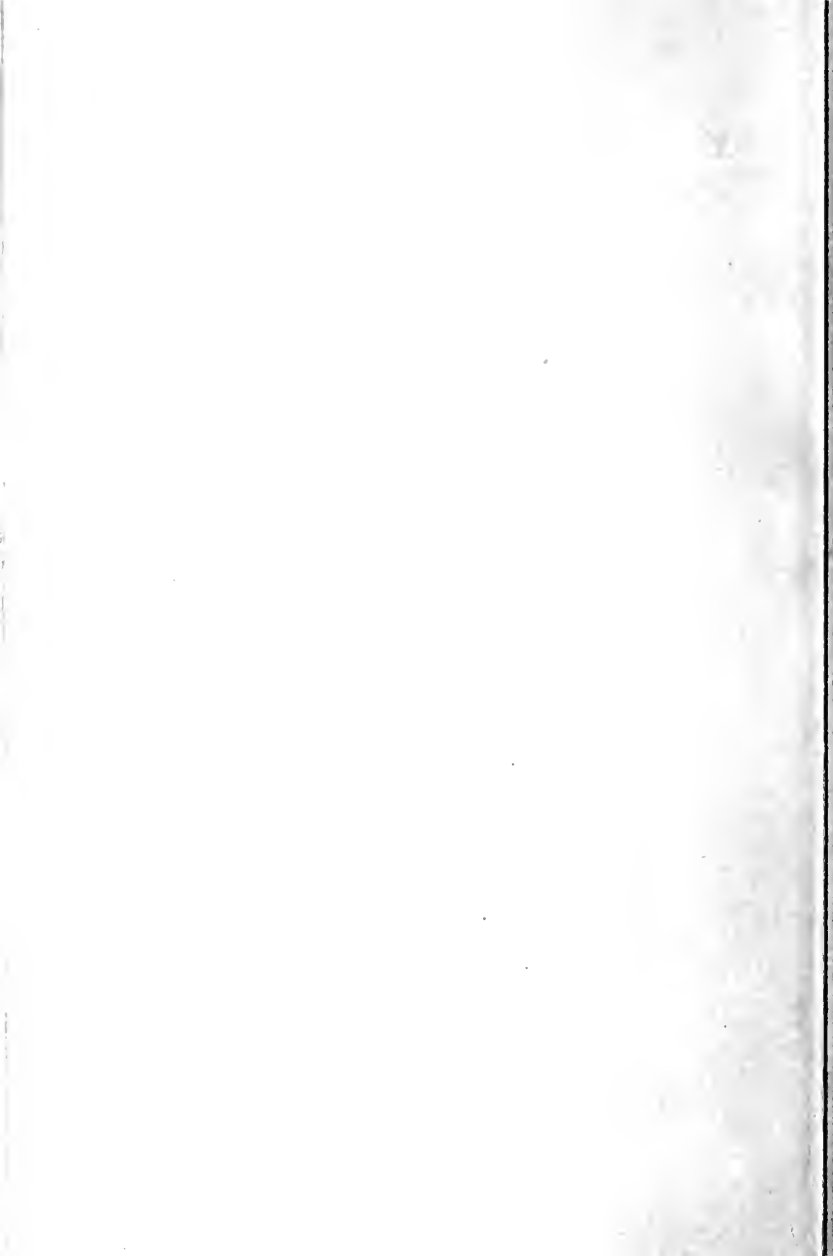


Annual Catalogue

FOR THE SCHOOL YEAR

1929-1930

PUBLISHED BY THE
BRIGHAM YOUNG UNIVERSITY
PROVO, UTAH



University Calendar

1929

AUTUMN QUARTER

September 16 and 17—Registration of students.

September 18—Instruction begins.

October 16—Founder's Day.

November 27 to December 2 (Wednesday evening until Monday morning)—Thanksgiving recess.

December 6—Autumn Quarter closes.

WINTER QUARTER

December 9—Winter Quarter begins.

December 20 (Friday evening)—Christmas recess begins.

1930

January 6—School work resumed.

January 27 to 31—Leadership Week.

March 14—Winter Quarter closes.

SPRING QUARTER

March 17—Spring Quarter begins.

June 1—Baccalaureate services.

June 4—Fifty-third Commencement Exercises.

June 9—Summer Quarter begins.

Church School Officers

GENERAL CHURCH BOARD OF EDUCATION

HEBER J. GRANT	JOSEPH FIELDING SMITH
ANTHONY W. IVINS	DAVID O. McKAY
CHARLES W. NIBLEY	STEPHEN L. RICHARDS
WILLARD YOUNG	RICHARD R. LYMAN
RUDGER CLAWSON	JOHN A. WIDTSOE
ORSON F. WHITNEY	ADAM S. BENNION
	JOSEPH F. MERRILL
ARTHUR WINTER, Secretary-Treasurer.	

CHURCH COMMISSIONER OF EDUCATION

JOSEPH F. MERRILL

Authorities of the Brigham Young University

BOARD OF TRUSTEES

HEBER J. GRANT, President

THOMAS N. TAYLOR, Vice-President

SUSA YOUNG GATES	STEPHEN L. CHIPMAN
REED SMOOT	JOSEPH R. MURDOCK
LAFAYETTE HOLBROOK	JOSEPH REECE
JOSEPH FIELDING SMITH	ZINA Y. CARD
J. WM. KNIGHT	WILLARD YOUNG
EDWARD H. HOLT, Secretary-Treasurer	

EXECUTIVE COMMITTEE

THOMAS N. TAYLOR

J.WM. KNIGHT

STEPHEN L. CHIPMAN

Administrative Officers

Franklin S. Harris	President
Kiefer B. Sauls	Secretary to the President
	Purchasing Agent
Edward H. Holt	Secretary-Treasurer
Carma Ballif	Assistant in Secretary's Office
John E. Hayes	Registrar
Christen Jensen	Dean of Graduate School
Carl F. Eyring	Dean College of Arts and Sciences
Harrison V. Hoyt	Dean College of Commerce
L. John Nuttall, Jr.	Dean College of Education
Gerrit de Jong, Jr.	Dean College of Fine Arts
Lowry Nelson	Dean College of Applied Science
	Director Extension Division
Grace Folland	Secretary Extension Division
Clawson Y. Cannon	Dean Summer Session
Nettie Neff Smart	Dean of Women
Lloyd L. Cullimore	Medical Director
Edgar M. Jensen	Principal University High School
Anna Ollorton	Acting Librarian

The Faculty*

FRANKLIN STEWART HARRIS President

B. S., Brigham Young University, 1907; Ph. D., Cornell University, 1911; Student University of Paris, 1927; Instructor, Juarez Academy, 1904-05; Assistant Chemist, Utah Experiment Station, 1907-08; Instructor in Soils, Cornell University, 1907-08; Professor of Agronomy, Utah Agricultural College and Agronomist Utah Experiment station, 1911-21; Director School Agricultural Engineering and Mechanic Arts, 1912-16; Director Utah Experiment Station, 1916-21; President Brigham Young University, 1921—.

GEORGE H. BRIMHALL President-Emeritus, Professor of Religious Education

B. Pd., Brigham Young University, 1893; D. Sc. D., Church Board of Education, 1898; L. L. D., Brigham Young University, 1921; Principal of Schools, Spanish Fork, Utah, 1877-1886; Superintendent Utah County Schools, 1885-87; Superintendent Provo City Schools, 1886-92; Instructor in Theology, Psychology, and Pedagogy, Brigham Young University, 1892-98; Professor of Psychology and Pedagogy, 1898-1900; Acting President, 1900-1902; President, 1904-21; President-Emeritus and Professor of Religious Education 1921—.

JOHN C. SWENSON Professor of Economics and Sociology

A. B., Stanford University, 1898; M. A., Columbia University 1921; Graduate work, Columbia University, Summer of 1924; Principal of Panguitch Academy, 1898-91; Superintendent Fillmore Schools 1898-94; Member Utah State Board of Education, 1917—; Assistant Professor of English, Brigham Young University, 1898-99; Professor of History and Economics, 1899-06; Dean of College, 1904-10; Acting Dean College of Education, 1921-24; Professor of Economics and Sociology, 1906—.

*The University Council consists of the President and all members of the faculty with the rank of professor, associate professor, or assistant professor.

- CHARLES E. MAW** **Professor of Chemistry**
 A. B., Stanford University, 1903; S. M., University of Chicago, 1916; Ph. D., Stanford University, 1924; Graduate work, Columbia University, 1916; University of California, 1923; Professor of Chemistry, Brigham Young University, 1903—.
- ALFRED OSMOND** **Professor of English**
 A. B., Harvard University, 1903; M. A., Columbia University, 1920; Graduate work, University of Chicago, Summer of 1913; Columbia University, Summer of 1920; Superintendent of Schools, Bear Lake County, Idaho, 1885-86; Professor of English, Brigham Young University, 1903—.
- CHRISTEN JENSEN** **Professor of History and Political Science, Dean Graduate School**
 A. B., University of Utah, 1907; A. M., Harvard University, 1908; Ph. D., University of Chicago 1921; Graduate work, University of California Summer of 1915; Study in Europe 1928; Assistant Professor of History and Political Science, Brigham Young University, 1908-11; Professor, 1911—; Acting Dean College of Applied Science, 1924-29; Dean Graduate School, 1929—.
- ELBERT H. EASTMOND** **Professor of Art**
 Diploma in Normal Art and Manual Training, Pratt Institute, 1902; B. Pd., Brigham Young University, 1906; Student, California School of Fine Arts, Summer, 1915; University of California, and California School of Arts and Crafts, Summers of 1916 and 1923; Rionido School of Art, Summer of 1918; University of Washington, 1923; Teacher of Art in New York Public Schools, Summers of 1901 and 1902; Supervisor of Art and Manual Training, Utah County Public Schools, 1903 and 1904; Professor of Art, Brigham Young University, 1904—.
- AMOS N. MERRILL** **Professor of Secondary Teaching**
 B. S., Utah Agricultural College, 1896; M. S., University of Illinois, 1908; Ph. D. Stanford University, 1926; Instructor in Mechanic Arts, Brigham Young College, 1902-05; Professor of Agriculture, Brigham Young College, 1905-09; Professor of Agriculture, Brigham Young University, 1910-22; Principal of High School, 1914-16; Dean of Church Teachers' College, 1917-23; Professor of Secondary Teaching and Supervisor of Secondary Training, 1924—.

EDWARD H. HOLT **Professor of Office Practice,
Secretary of the Faculty**

B. Pd., Brigham Young University, 1895; Instructor, Brigham Young University, 1893-95; Assistant Professor, 1895-1902; Professor of Business Education, 1902-21; Professor of Office Practice, 1921—.

ALICE L. REYNOLDS **Professor of English Literature**

A. B., Brigham Young University, 1910; Graduate work, University of London, 1911; Two years Graduate work, European Universities; University of California, 1923; Member of University of Utah Summer School Faculty, 1921; Editor of Relief Society Magazine, 1923—; Instructor, Brigham Young University, 1894-1911; Professor of English Literature, Brigham Young University, 1911—.

CARL F. EYRING* **Professor of Physics and Mathematics
Dean of the College of Arts and Sciences**

A. B., Brigham Young University, 1912; M. A., University of Wisconsin, 1915; Ph. D., California Institute of Technology, 1924; Assistant in Physics, University of Wisconsin, 1914-15; Assistant in Physics, California Institute of Technology, 1922-23; Assistant in Physics, Brigham Young University, 1910-12; Instructor, 1912-14; Assistant Professor, 1915-17; Professor of Physics and Mathematics, 1917—; Dean of the College of Arts and Sciences, 1924—.

VILATE ELLIOTT **Professor in Home Economics**

B. Pd., Brigham Young University, 1895; Graduate work Pratt Institute, 1907-08; State Normal School, Santa Barbara, California, 1919-20; University of Chicago, 1922; Study in Europe 1924-25; Professor of Home Economics, Brigham Young University 1908—.

BENJAMIN F. CUMMINGS **Professor of Modern and
Classical Languages**

A. B., University of Utah, 1913; Graduate work, University of Utah, 1920-22; University of Chicago, Summer of 1922; Stanford University, 1923-24; Instructor Modern Languages, Latter-Day Saints

*On leave of absence.

University, 1910-12; 1914-20; Instructor Modern Languages, University of Utah, 1913-14; Professor of Modern and Classical Languages, Brigham Young University, 1920——.

FLORENCE JEPPELSON MADSEN Professor of Music

Music Diploma, Brigham Young University, 1905; Diploma, New England Conservatory of Music, 1909; B. M., and M. M., Chicago Musical College, 1926; Teachers Certificate in Vocal Art, Chicago Musical College, 1927; Graduate work in Music, New England Conservatory of Music, 1909-10; Private Work, New York, 1919-20; Boston, 1926; 1928-29; Director, Vocal Department, Lasalle Seminary, Boston, 1911-16; Instructor in Vocal, L. D. S. School of Music and Weber College, 1916-18; Instructor Chicago Musical College Summer of 1927; Instructor, Brigham Young University, 1910-11; 1916-18; Professor of Music, 1920——.

HARRISON V. HOYT Professor of Accounting and Business Administration, Dean of the College of Commerce

B. S., Purdue University, 1913; M. B. A., Harvard University, 1917; Assistant Engineer, Idaho Power & Light Co., 1913-15; Industrial Engineer, New York, 1917-21; Graduate Work Stanford 1928-29; Professor of Business Administration and Dean of the College of Commerce, Brigham Young University, 1921——.

THOMAS L. MARTIN Professor of Agronomy

A. B., Brigham Young University, 1912; Ph. D. Cornell University, 1919; Principal, Big Horn Academy, 1912-15; Emery Academy, 1916-17; Millard Academy, 1919-21; Instructor in soils, Cornell University, 1917-19; Professor of Agronomy, Brigham Young University, 1921——.

HUGH M. WOODWARD Professor of Philosophy of Education

A. B., Brigham Young University, 1911; M. A., University of Utah, 1918; Ph. D., University of California, 1920; Principal, St. George Academy, 1911-14; President Dixie Normal College, 1914-20; Fellow-Teacher, University of California, 1919-20; Assistant Director Educational Work, Bureau of Public Health, Washington, D. C., 1920-21; Pro-

fessor of Education, University of Washington, Summer of 1925; Dean Summer Session, Brigham Young University, 1921-27; Professor on University Afloat 1928-29; Professor of Philosophy of Education, Brigham Young University, 1921—.

L. JOHN NUTTALL, JR......**Professor of Educational Administration, Dean of the College of Education**

B. S., Columbia University, 1911; M. A., Columbia University, 1912; Ph. D. Columbia University, 1929; Superintendent Iron County Schools, 1916-19; Superintendent of Nebo School District, 1919-22; Professor of Educational Administration, Brigham Young University, 1922—; Dean of the College of Education 1923—.

T. EARL PARDOE* **Professor of Speech**

Graduate of Leland Powers School, 1913; A. B., Brigham Young University, 1925; Graduate work, Columbia University, 1924-25; Head of Department of Dramatic Arts and Public Speaking, Weber Normal College, 1915-18; Associate Professor of Public Speaking and Dramatic Art, Brigham Young University, 1920-22; Professor, 1922—.

WILLIAM J. SNOW **Professor of History**

A. B., Brigham Young University, 1919; Ph. D., University of California, 1923; Graduate work, University of Chicago, Summer of 1913; Superintendent Washington County Schools, 1898-99; Principal Uintah Stake Academy, 1906-08; Instructor in History, Brigham Young University, 1910-15; Assistant Professor of History, 1915-17; Professor of History, 1917—.

M. WILFORD POULSON **Professor of Psychology**

A. B., Brigham Young University, 1914; M. A., University of Utah, 1919; Graduate work, University of Chicago, 7½ Quarters from 1916 to 1925; Assistant Professor of Education, Brigham Young University, 1916-19; Associate Professor, 1919-22; Associate Professor of Psychology, 1922-23; Professor, 1923—.

WALTER P. COTTAM **Professor of Botany**

A. B., Brigham Young University, 1916; M. S., 1919; Graduate Work, University of Wisconsin,

*On leave of absence.

Summer of 1921; Ph. D., University of Chicago, 1926; Assistant, Brigham Young University, 1916-18; Instructor, 1918-20; Assistant Professor of Botany, 1920-25; Professor of Botany, 1925—.

VASCO M. TANNER **Professor of Zoology and Entomology**

A. B., Brigham Young University, 1915; M. A., University of Utah, 1920; Ph. D., Stanford University, 1925; Head of Department of Biology, Dixie College, 1916-18, 1920-24; State Crop and Pest Inspector, Southern Utah, 1922-24; Professor of Zoology and Entomology, 1925—.

CLAWSON Y. CANNON.....**Professor of Animal Husbandry**
Dean of the Summer Session

B. S., Utah Agricultural College, 1913; M. S., Iowa State College, 1924; Ph. D. Iowa State College, 1927; Instructor, Utah Agricultural College, 1913-14; in charge of Agriculture, Boise High School, 1914-20; Instructor in Animal Husbandry, Brigham Young University, 1920-21; Assistant Professor, 1921-25; Associate Professor, 1925-26; Professor, 1926—.

HERALD R. CLARK**Professor of Finance and Banking**

A. B., Brigham Young University, 1918; M. B. A., University of Washington, 1924; Graduate work Ohio State University, 1927-28; Instructor in Accounting, Brigham Young University, 1913-17; Assistant Professor of Commerce, 1917-21; Assistant Professor of Finance and Banking, 1917-27; Associate Professor Finance and Banking, 1927-1928; Professor, 1928—

PARLEY A. CHRISTENSEN.....**Professor of English**

B. S., Utah Agricultural College, 1914; A. M., Stanford University of California, 1925; Ph. D., Stanford University, 1927; Student University of California, Summer of 1915; Teacher of English, Box Elder High School, 1915-17; Assistant Professor of English, Brigham Young College, 1917-25; Professor of English, Brigham Young College, 1925-26; Associate Professor of English, Brigham Young University, 1927-8; Professor, 1928—.

G. OTT ROMNEY**Professor of Physical Education and Director of Athletics**

A. B., University of Utah, 1912; M. A., University of Utah, 1913; Harvard University, Graduate School of

Business Administration, 1913-14; B. S., Montana State College, 1916; Summer Session, University of Utah, 1915; Athletic Coach and Instructor, Billings (Montana) High School, 1916-1918; U. S. Naval Aviation, 1918-19; Director Physical Education and Athletic Coach, East Salt Lake High School, 1919-1922; Summer Session, University of Illinois, 1923; Director of Athletics, Professor of Physical Education and Vice-Dean of Men, Montana State College, 1922-1928; Instructor (History, Government, Economics) Montana State Normal College, Summers of 1926-27-28; Professor of Physical Education and Director of Athletics, Brigham Young University, 1928—.

**GERRIT de JONG, JR. Professor of Modern Languages
Dean of College of Fine Arts**

A. B., University of Utah, 1920; M. A., 1925; Graduate work, National University of Mexico, 1921; University of Utah, Summers of 1923 to 25; University of Munich, 1927; Instructor Murdock Academy, 1916-18; Instructor, Latter-Day Saints University, 1919-25; Associate Professor of Modern Languages and Dean of College of Fine Arts, Brigham Young University, 1925—.

**LOWRY NELSON Professor of Rural Economics, Dean
College of Applied Science,
Director of Extension Division**

B. S., Utah Agricultural College, 1916, M. S. University of Wisconsin, 1924; Graduate work, University of California, Southern Branch; Summer 1922; Assistant State Leader County Agents, Utah Agricultural College, 1917-18; Editor, Utah Farmer, 1920-21; Graduate work University of Wisconsin 1927-29; Director of Extension Division Brigham Young University, 1921—; Assistant Professor of Sociology, 1924-27; Associate Professor of Sociology, 1927-29; Professor of Rural Social Economics and Dean of College of Applied Science, Brigham Young University, 1929—.

ELSIE E. MAUGHAN Professor of Home Economics

B. S., Utah Agricultural College, 1921; M. S. Cornell University, 1926; Graduate work Cornell University, 1921-23; Instructor Nephi High School, 1923-25; Instructor North Summit High School, 1926-1927; Instructor Jefferson Junior High School at Rochester, New York, 1927-28; Assistant Professor of Foods

and Nutrition, Brigham Young University, 1928-29; Professor of Home Economics Brigham Young University, 1929——.

GEORGE H. HANSEN Professor of Geology and Geography

B. S., Utah Agricultural College, 1918; M. S. George Washington University, 1925; Ph. D. George Washington University, 1927; Field work with U. S. Geological Survey summers of 1918, 1925, 1926 in Utah, Colorado and New Mexico; Commercial work in West Texas, 1927; Assistant Professor of Geology and Geography, Brigham Young University, 1927-1929; Professor of Geology and Geography 1929——.

LLOYD L. CULLIMORE Medical Director

B. S., University of Utah, 1922; M. D. George Washington Medical College, 1925; Instructor in Physiology George Washington Medical College, 1925-1926; American Child Health Association and District of Columbia Board of Health, Spring of 1926; Utah State Board of Health, Epidemiology, Child Health Department, 1926-1927; Health Education, Brigham Young University, Summer of 1927; Assistant Medical Director, 1928-29; Medical Director, 1929——.

I. WESTON OAKS Associate Medical Director

M. D., Jefferson Medical College, 1919; Graduate work, Colorado Congress Otolaryngology, Denver, Summers of 1923, 1924, and 1925; Assistant Medical Director, Brigham Young University, 1924-25; Medical Director, 1925-29; Associate Medical Director, 1929——.

ROBERT SAUER Associate Professor of Music

Graduate of Music School of Dresden, Germany; Student Siegel Meyer Music Conservatory of Chicago, 1905; Instructor of Music, Brigham Young University, 1905-20; Assistant Professor of Music, 1920-24; Associate Professor of Music, 1924——.

BENT F. LARSEN* Associate Professor of Art

A. B., Brigham Young University, 1912; M. A., University of Utah, 1922; Graduate work, Academie, Paris, 1923-24; Academie Colarossi, Paris, 1923; Academie de La Grande Chaumiere, Paris, 1924; Supervisor of Art, Brigham Young University Training School, 1908-12; Associate Professor of Art, 1912——.

*Absent on leave.

- J. MARINUS JENSEN** Associate Professor of English
A. B., Brigham Young University, 1912; M. A., University of Chicago, 1919; Graduate work University of California, Summer of 1920; Stanford University, 1924-25; Assistant Professor of English, Brigham Young University, 1919-21; Associate Professor, 1921—.
- HORACE G. MERRILL** Associate Medical Director
A. B., Brigham Young University, 1914; M. D., Jefferson Medical College, 1908; F. A. C. S., American College of Surgeons, 1922; Graduate work, University of Edinburgh, 1913; University of Pennsylvania, 1921-22; North Chicago Hospital, 1915-16; Associate Medical Director, Brigham Young University, 1922—.
- ELMER MILLER*** Associate Professor of Economics
A. B., Stanford University, 1914; Graduate work, Stanford University, 1914-15; University of Chicago, Summers of 1916 and 1919; University of California, Summers of 1918 and 1921; Principal of St. George High School, 1910-11; Instructor Dixie Normal College, 1911-12; Principal Pleasant Grove High School, 1915-16; Principal South Sanpete High School, 1916-17; Lehi High School, 1917-19; Davis County High School, 1919-22; Superintendent Alpine School District, 1922-23; Associate Professor of Economics, Brigham Young University, 1923—.
- JOSEPH SUDWEEKS** Associate Professor of Educational Administration
B. S., University of Idaho, 1912; M. A., University of Chicago, 1920; Ph. D., University of Wisconsin, 1925; Instructor, Cassia Academy, 1916-19; Instructor and Supervisor of Training, U. S. Veterans' Bureau, University of Idaho, 1920-23; Assistant in Department of Education, University of Idaho, 1920-21; Assistant Professor of Educational Administration, Brigham Young University, 1925-27; Associate Professor, 1927—.
- MILTON MARSHALL** Associate Professor of Physics
A. B., Brigham Young University, 1918; Ph. D., University of Chicago, 1924; Instructor of Physics, Brigham Young University, 1919-21; Assistant Professor, 1924-27; Associate Professor, 1927—.

*On leave of absence.

LEROY J. ROBERTSON Associate Professor of Music

Graduate of New England Conservatory of Music, 1923; Instructor North Cache High School, 1923-24; Pleasant Grove High School, 1924-25; Instructor of Music, Brigham Young University, 1924-26; Assistant Professor of Music, 1926-27; Associate Professor of Music, 1927—.

CLARENCE S. BOYLE Associate Professor of Accounting and Business Administration

B. S., Brigham Young University, 1924; M. S. in Retailing, New York University, 1926; Graduate work, New York University, Summer of 1926, Winter of 1926-27, Summer of 1927; Head of Commercial Department of Driggs, Idaho, High School, 1927-28; and of Provo High School, 1925-27; Associate Professor of Accounting and Business Administration, Brigham Young University, 1927—.

ELIZABETH CANNON Associate Professor of Home Economics

B. S., Utah Agricultural College, 1919; Graduate work, Columbia University, 1922-23; Graduate Dietitian Walter Reid General Hospital, Washington, D C., 1928; Instructor, Latter-Day Saints University, 1920-22; Instructor in Foods and Nutrition, Brigham Young University, 1923-25; Assistant Professor, 1925-27 Associate Professor, 1928—.

MARY J. OLLORTON Assistant Professor of Elementary Teaching

A. B., Brigham Young University, 1913; M. A., Columbia University, 1926; Graduate work, University of Chicago, 1913, 1914, and 1916; Columbia University, 1913; Director of Training School, Brigham Young University, 1913-18; Assistant Professor of Elementary Teaching, 1919—.

IDA SMOOT DUSENBERRY Assistant Professor of Psychology

B.Pd. Brigham Young University, 1905; Kindergarten Normal Diploma, Brigham Young University, 1904; Graduate Chauncey Hall College, Boston, 1908; Graduate Emerson College of Oratory, Boston, 1909; Graduate work Pestalozzi Froebel House, Berlin, Germany, 1912-13; Graduate work Columbia University, 1914-15, 1920-21; Summer School work, Columbia University, 1915 and 1921, Univer-

sity of Washington, 1916, University of California, 1927 ;Study in Europe, 1919-20; Director of Kindergarten Training, Brigham Young University, 1910-21; Assistant Professor of Psychology, Brigham Young University, 1921—.

**HERMESE PETERSON Assistant Professor of
Elementary Teaching**

B. S., Brigham Young University, 1928; Normal Training Student, Brigham Young University; Brigham Young College; Utah Agricultural College, 1906-08; Columbia University, 1917; University of Utah, 1919; University of California, 1922; University of Chicago, 1922-23; Primary Supervisor of Alpine School District, 1908-12; Study in Europe 1928; Critic Teacher, Brigham Young University Training School, 1912-20; Primary Supervisor, 1920-23; Assistant Professor of Elementary Teaching, 1923—.

**WILLIAM H. BOYLE* Assistant Professor of
Elementary Teaching**

A. B., Brigham Young University, 1913; M. A., 1923; Graduate work, University of California, 1917 and 1923; Principal, Brigham Young University High School, 1910-26; Assistant Professor of Elementary Teaching, 1923—.

**WILLIAM H. SNELL Assistant Professor
of Mechanic Arts**

A. B., Brigham Young University, 1918; Graduate work, Bradley Polytechnic Institute, Summer of 1919; Brigham Young University, Summers of 1924 and 1925; Instructor in English, Brigham Young University, 1915-17; Instructor in Woodwork, 1916-21; Assistant Professor of Mechanic Arts, 1921—.

THOMAS C. ROMNEY*.....Assistant Professor of History

A. B., Brigham Young University, 1914; M. A., University of California, 1924; Instructor, Juarez Academy, 1909-1912; Instructor, Ricks Academy, 1913-14; Principal, Knight Academy, 1914-19; Principal, Oneida Academy, 1919-22; Instructor in History, Brigham Young University, 1922-23; Assistant Professor, 1923—.

*On leave of absence.

**HARRISON R. MERRILL Assistant Professor
of English**

B. S., Utah Agricultural College, 1916; Graduate work, Utah Agricultural College, 1920; Brigham Young University, Summers of 1921 to 1923; Instructor in English, Oneida Academy, 1912-20; Instructor in English, Brigham Young University, 1921-23; Assistant Professor, 1923—.

FRANKLIN MADSEN Assistant Professor of Music

A. B., Brigham Young University, 1925; B. M., and M. M., Chicago Musical College, 1926; Graduate, New England Conservatory of Music, 1914-15; Student of European Music Teachers, 1923; Graduate Work Chicago Musical College, 1928-29; Instructor in Music Jordan High School, 1916-17; Springville High School, 1917-18; Magna High School, 1919-20; Instructor Chicago Musical College, Summer of 1927; Instructor in Music, Brigham Young University, 1920-24; Assistant Professor of Music, 1924—.

**EMMA BROWN Assistant Professor of
Elementary Teaching**

B. S., Columbia University, 1924; Student, University of Chicago, Summers of 1914 and 1918; Study in Europe 1928; Critic Teacher, University of Utah, 1908-10; Primary Supervisor, Box Elder County, 1913-15; Nebo School District, 1917-22; Primary Supervisor, Brigham Young University Training School, 1923-25; Assistant Professor of Elementary Teaching, 1925—.

**ASAEI C. LAMBERT Assistant Professor of
Secondary Teaching**

B. S., Brigham Young University, 1925; M. S., 1926; Superintendent of Public Instruction, Fremont County, Idaho, 1923-24; Instructor, Brigham Young University, 1924-27; Principal University High School, 1926-1928; Assistant Professor of Secondary Teaching, 1927—.

LAVAL S. MORRIS* Assistant Professor of Horticulture

B. S., Utah Agricultural College, 1923; M. S., Michigan State College, 1926; Instructor in Horticulture, Brigham Young University, 1923-26; Assistant Professor, 1926—.

*On leave of Absence.

EFFIE WARNICK Assistant Professor of Home Economics

B. S., Utah Agricultural College, 1914; Graduate work, Summer of 1915; Columbia University, Summer of 1921; University of California, Summer of 1925; Graduate Work University of Chicago, 1928-1929; Instructor, Branch Agricultural College 1914-15; Pleasant Grove High School, 1915-22; Instructor in Foods and Nutrition, Brigham Young University, 1922-23; in Household Administration, 1923-27; Assistant Professor 1927—.

ED. M. ROWE Assistant Professor in English

A. B., Brigham Young University, 1923; Graduate work, Utah Agricultural College, Summer of 1924; Brigham Young University, 1924-25; University of Chicago, Summers of 1925, 1926, 1927, 1928; Principal Spanish Fork High School, 1910-12; Instructor in English, Brigham Young University, 1924-27; Assistant Professor, 1927—.

**CHARLES J. HARTAssistant Professor in Physical
Education and Athletics**

B. S., Utah Agricultural College, 1922; Graduate work, Utah Agricultural College 1923; University of Wisconsin, Summer of 1925; member Utah Agricultural College Extension Staff, 1922-23; Instructor Teton High School, 1923-25; Instructor in Physical Education and Athletics, Brigham Young University, 1925-27; Assistant Professor 1927—.

**EDGAR M JENSENAssistant Professor in Educational
Administration, Principal University High School**

A. B., Brigham Young University, 1916; M. A., Brigham Young University, 1919; Graduate work, Stanford University, 1926-27; Head of Department of Education, Dixie College, 1919-1923; President Dixie College, 1923-26; Instructor, Brigham Young University, 1927-28; Assistant Professor in Educational Administration and Principal University High School, 1928—.

GEORGE S. BALLIF Lecturer in Law

A. B., Brigham Young University, 1921; Student Harvard Law School, 1921-22; J. D. University of California Law School, 1924. Lecturer in Law 1929—.

- JOHN E. HAYES** **Registrar**
 B. S., Brigham Young University, 1924; Instructor, Brigham Young University, 1903—; Registrar, 1904—.
- ANNA OLLORTON** **Acting Librarian**
 A. B., Brigham Young University, 1913; Graduate work, University of Chicago, 1914-15; University of Utah, Summer of 1914; Chautauqua, New York Summer School, 1919 and 1923; Assistant Librarian Brigham Young University, 1918-23; Acting Librarian, 1923—.
- ANNIE L. GILLESPIE** **Library Cataloguer**
 Principal West School, Provo, 1883-84; Assistant Librarian, Brigham Young University, 1906-11; Librarian, 1912-23; Cataloguer, 1923—.
- KIEFER B. SAULS** **Secretary to the President,
Purchasing Agent**
 B. S., Utah Agricultural College, 1920; Graduate work, 1920-21; Secretary to Director, Utah Agricultural Experiment Station, 1917-21; Secretary to President and Purchasing Agent, Brigham Young University, 1921—.
- NETTIE NEFF SMART** **Dean of Women**
 Normal Diploma, Brigham Young University, 1898; Student, Cornell University, 1907-09; Provo High School, 1920-21; Provo City Schools, 1921-25; Instructor, Brigham Young University Training School, 1904-05; Dean of Women, 1925—.
- PERCIVAL P. BIGELOW** **Instructor in Auto Mechanics**
 Student, University of Michigan, Summer of 1922; Brigham Young University Summers of 1923, 1924, and 1925; Head Mechanic, Utah Packard Motor Company, 1916; Foreman, Superior Motor Co., 1917-18; Mechanic, Hudson Motor Car Company, Detroit, 1919; Instructor in Auto Mechanics, Brigham Young University, 1919—.
- BERTHA ROBERTS** **Instructor in Office Practice**
 A. B., Brigham Young University, 1926; Student Durango Business College, 1922; University of Utah, Summer of 1926; Instructor, Wasatch High School, 1918-19; Instructor in Office Practice, Brigham Young University, 1919—.

NEWBERN I. BUTT **Library and Research Assistant**
 B. S., Utah Agricultural College, 1915; Graduate work, 1915-17; Assistant Agronomist, Utah Agricultural College, 1915-18; Library and Research Assistant, Brigham Young University, 1922—.

WILLIAM F. HANSON **Instructor in Music**
 Music Diploma, Brigham Young University, 1907; Teacher's Certificate, Chicago Musical College, 1924; Private work with Xaver Schaswenka, Maurice Aronson, Felix Borowski, Dr. Carl Busch, and H. B. Maxyott, 1924; Supervisor High School Music, Vernal, 13 years; Supervisor Public School Music, Brigham Young University, 1924-25; Acting Head of Music Department, 1925-26, and Summer Sessions of 1925-26-27; Instructor in Music, 1926—.

ANNA EGBERT **Instructor in English**
 B. S., Utah Agricultural College, 1921; Graduate work, Brigham Young University, Summers of 1922 and 1923; Columbia University, 1925-26; Instructor North Cache High School, 1922-23; Instructor in Dramatic Art, Brigham Young University, 1923-26; Instructor in English, 1926—.

WILMA JEPPSON* **Instructor in Physical Education for Women**
 B. S. Brigham Young University 1927; student University of California, Summer of 1921; University of Wisconsin, Summer of 1925; Instructor in Physical Education for Women, Brigham Young University, 1923—.

A. REX JOHNSON **Instructor in Office Practice**
Manager Stenographic Bureau
 B. S., Brigham Young University, 1924; Student Washington School of Accounting, 1918-20; Graduate work, University of Washington, Summer of 1926; Instructor in Business, Provo High School, 1920-21; Fielding High School, 1921-22; Assistant in Office Practice, Brigham Young University, 1922-23; Instructor in Office Practice, 1924—.

NATHAN L. WHETTEN* **Instructor in Spanish**
 A. B., Brigham Young University, 1926; M. A., Brigham Young University, 1928; Instructor in Spanish, Brigham Young University, 1926—.

*On leave of absence.

ELSIE C. CARROLL Instructor in English

B. S., Brigham Young University, 1926; M. S., Brigham Young University, 1928; Student, Cornell University, 1914; University of Chicago, 1915; Stanford University, Summer of 1924; Head of English Department, Kanab High School, 1917-18; Provo High School, 1919-20; Dean of Girls, Provo High School, 1922-26; Instructor in English, Brigham Young University, 1926—.

CLARENCE COTTAM* Instructor in Biology and Entomology

A. B., Brigham Young University, 1926; M. A., Brigham Young University, 1927; instructor in Biology and Entomology, Brigham Young University, 1927—.

MAUD TUCKFIELD Instructor in Home Economics

B. S., Utah Agricultural College, 1928; Student University of Utah, summer 1920; Brigham Young University summer of 1923; University of Washington, summer of 1924; Instructor, Millard Academy, 1919; Murray High School, 1920-22; District Supervisor, Granite School District, 1922-23; Instructor, Brigham Young University, 1926—.

IONE PALFREYMAN Instructor in Home Economics

B. S., Brigham Young University, 1926; Instructor in Home Economics, Brigham Young University, 1926—.

STELLA P. RICH Instructor in English

B. S., Brigham Young University, 1926; Instructor in the Public Schools of Utah and Idaho, 1911-1927; Student, University of Illinois, Summer of 1925; Instructor, Brigham Young University, Summer of 1926; Instructor in English, Brigham Young University, 1927—.

HUGH W. PETERSON Instructor in Chemistry and Physics

A. B., Brigham Young University, 1916; Graduate work, University of Utah, 1916-17; Utah Agricultural College, Summer of 1924; Brigham Young University, 1923, and Summer of 1927; M. A., Brigham

*On leave of absence.

Young University, 1928; Instructor in Science, Big Horn Academy, 1917-18; Latter-day Saints University, 1918-20; Head of Science Department, Provo High School, 1920-27; Instructor in Chemistry and Physics, Brigham Young University, 1927—

ELLA LARSEN BROWN Assistant Librarian

Student Cook County Normal School, 1891-92; Columbia University, 1905-06; Primary Supervisor, Utah County Schools, 1900-1902; Director Brigham Young University Training School, 1902-1908; Assistant Librarian, Brigham Young University, 1923—.

DELBERT GREENWOOD Instructor in Chemistry

B. S., Brigham Young University, 1926; Graduate Work, Brigham Young University, 1928-29; Assistant in Chemistry, Brigham Young University, 1926-27; Instructor in Chemistry, 1927—.

ALONZO J. MORLEY Instructor in Speech

A. B., Brigham Young University, 1925; Teacher of Public Speaking and Dramatic Art, Uintah County High School, 1925-26; Head of Speech Department, Weber County High School, 1926-27; Instructor in Speech, Brigham Young University, 1927—.

FRED W. DIXON Instructor in Physical Education and Athletics

B S., Brigham Young University, 1926; Instructor in Physical Education and Athletic Director at Weber County High School, 1926-27; 1927-28; Graduate work at U. A. C., Summer of 1928; Instructor in Physical Education and Athletics, Brigham Young University, 1928—

GRACE NIXON STEWART Special Instructor in Dramatic Art

B. S., Brigham Young University, 1925; Student University of London, 1925-27. Special Instructor in Public Speaking and Dramatic Art Brigham Young University 1928—.

GLADYS D. BLACK Instructor in English

Ph B., University of Chicago, 1924; instructor in English, Provo High School, 1924-25, 1925-26; Graduate work, Columbia University, 1926-27; Instructor in English, Central High School, Springfield, Illinois,

1927-28; Graduate work, Columbia University, Summer, 1928; Instructor in English, Brigham Young University, 1928——

PHILIP H. BARKDULL Instructor in Art

B. S., Brigham Young University 1927; Instructor in Art, Dixie College, 1917-18, 1920-23; in Hurricane High School, 1918-20; Instructor in Art and shop work, Dixie College, 1920-23; in West Millard High School, 1923-24; Art Supervisor, Provo City Schools, 1925-29; Graduate work B. Y. U. Summer 1927; U. A. C. Summer 1928; Instructor in Art, Brigham Young University, 1929——.

**BESSIE IVERSON Instructor in Physical Education
for Women**

A. B., Brigham Young University, 1929; Instructor in Physical Education 1929——.

NORMA CHRISTENSEN Instructor in Office Practice

A. B. Brigham Young University, 1929. Assistant in Office Practice, 1927-29; Instructor in Office Practice 1929——.

BILLIE HOLLINGSHEAD Instructor in Mathematics

A. B., Texas State College for Women, 1922; Graduate work Columbia University, summer of 1925; M. A., Brigham Young University 1929. Instructor in Valdez High School, Valdez, Alaska 1922-23; Instructor in Star Valley High School, 1924-26; Instructor in Kohala High School, Kohala, Hawaii, 1927-28; Instructor in Brigham Young University High School, 1929——.

GRACE L. FOLLAND Secretary Extension Division

A. B., Brigham Young University, 1926; Instructor in Dramatic Art and Physical Education, Payson High School, 1926-28; Secretary Extension Division, 1928——.

CARMA BALLIF Assistant in Secretary's Office

B. S., Brigham Young University, 1927; Assistant in Secretary's Office, 1927——.

LOREN C. BRYNER Assistant in Chemistry

B. S., Brigham Young University, 1928; Assistant in Chemistry, Brigham Young University, 1927——

- MYRON N. JORGENSEN** Assistant in Chemistry
 A. B., Brigham Young University, 1928; Assistant in
 Chemistry, Brigham Young University, 1927——.
- THEODORE RAILE**..... Assistant in Physical Education
 Assistant in Physical Education, Brigham Young
 University, 1929——.

TRAINING SCHOOL FACULTY

- C. LAVOIR JENSEN**, Instructor in Secondary Training
 School.
- MARY C. HAMMOND**, Instructor in Training School
- BARBARA MAUGHAN**, Instructor in Training School.
- GLADYS KOTTER**, Instructor in Training School.
- GEORGIA MAESER**, Instructor in Training School.
- THELMA LUDLOW**, Instructor in Training School.
- Instructor in Training School.

SPECIAL INSTRUCTORS

- ELMER NELSON**, Instructor in Piano.
- RALPH E. BOOTH**, Instructor in Violin.
- HANNAH C. PACKARD**, Special Instructor in Vocal Music.
- GEORGE W. FITZROY**, Special Instructor in Piano.
- BESSIE E. GOURLEY**, Assistant in Art, Extension.
- GUSTAVE BUGGERT**, Special Instructor in Violoncello.

- BRIGHAM T. HIGGS**, Superintendent Buildings and Campus.
- J. W. SAULS**, Associate Superintendent Buildings and Campus.

STANDING COMMITTEES

The President is ex-officio a member of all committees.

Admission and Credits—John E. Hayes, Joseph Sudweeks.

Aiding Graduates to Obtain Employment—L. John Nuttall, Jr., K. B. Sauls, The Deans.

Alumni Directory—A. Rex Johnson.

Athletics—P. A. Christensen, G. O. Romney J. W. Knight, K. B. Sauls, President of Student Body, President of Alumni Association, C. L. Jensen, Manager of Athletics.

Attendance and Scholarship—C. S. Boyle, E. M. Rowe, H. M. Woodward, Effie Warnick.

Awards and Prizes—C. Y. Cannon, LeRoy Robertson, Alonzo Morley.

Campus—L. S. Morris, Walter P. Cottam, E. H. Eastmond.

Care of Girls and Women's Activities—Dean of Women, Margaret H. Eastmond, Lydia Hasler Candland, Maud Tuckfield, Bertha Roberts.

Catalogue and Other Quarterlies—E. H. Holt, J. E. Hayes, K. B. Sauls, N. I. Butt.

Debating—J. C. Swenson, Wm. J. Snow, E. M. Rowe, A. C. Lambert.

Eligibility—Milton Marshall, Delbert Greenwood, J. E. Hayes.

Graduation—B. F. Cummings, Joseph Sudweeks, M. W. Poulson.

Lectures and Musicals—J. C. Swenson, Herald R. Clark.

Library—Alice L. Reynolds, G. H. Brimhall, M. W. Poulson, W. J. Snow, Librarian.

Personnel—C. S. Boyle, Thos. L. Martin, Wm. J. Snow, A. C. Lambert, E. Maughan.

Petitions—A. N. Merrill, C. E. Maw, V. M. Tanner, Registrar.

Publicity—L. Nelson, J. M. Jensen, E. H. Holt, K. B. Sauls, W. P. Cottam, A. Rex Johnson, G. O. Romney.

Schedule of Events—K. B. Sauls.

Schedule of Classes—E. H. Holt, N. I. Butt.

Social Affairs—C. S. Boyle, Gerrit de Jong, G. H. Hansen, Dean of Women, Elizabeth Cannon, Fred Dixon.

Social Units—Chairman of Social Affairs, Chairman of Attendance and Scholarship Committee, Registrar, T. L. Martin, Dean of Women, Elsie C. Carroll, and Student Representatives.

Student Accomodations—A. Rex Johnson, W. H. Snell, C. J. Hart, P. P. Bigelow, Dean of Women.

Student Aid and Employment—H. V. Hoyt, Dean of Women, Kiefer B. Sauls.

Student Publications—Alfred Osmond, E. H. Eastmond, E. M. Jensen.

Historical

The Brigham Young University, formerly designated the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter Day Saints, acting through the First Presidency of the Church of Jesus Christ of Latter Day Saints.

For many years it was dependent upon fees and the proceeds of the original endowment for its maintenance, but in recent years an annual church appropriation has been the chief source of its financial support.

Buildings—The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank. The upper story of the building had been used for an amusement hall.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the Stake Tabernacle, a store, and the First National Bank building housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, a building adjoining the railroad station at the corner of Sixth South street and University avenue. This was the home of the school for seven years.

In 1891 the school moved to what is now known as the Education building, a structure costing \$75,000, made possible chiefly through the personal credit of President Abraham O. Smoot and his associates on the Board of Trustees

The College building, a gift of ten persons whose names are upon a marble tablet in a hall of the building, was erected in 1898. The responsibility for raising the funds for this building was undertaken voluntarily by Reed Smoot, a member of the Board of Trustees.

The Training School building was built in 1902, the cost of which was met by the contributions of friends of the school, chief among whom was "Uncle" Jesse Knight.

The Art building was erected in 1904, a gift of the five stakes comprising what was known at that time as the B. Y. U. academic district.

The Alumni Association, in honor of Dr. Karl G. Maeser, presented the institution with the Maeser Memorial building in 1911. The cost of this building was \$112,000.00. The heating plant and furnishings were provided by the Church. This building was the first to be erected on University Hill.

The Women's Gymnasium, which is also a recreation building, was erected in 1913.

The Mechanic Arts building, on University Hill, was erected in 1919.

The Heber J. Grant Library building, also on University Hill was erected in 1925.

The three last named buildings were built by Church appropriations.

Campus—The first campus of the school was limited to a small playground back of the building which was destroyed by fire. The present Education building was erected in the center of a block 24 by 24 rods.

Then came the purchase of University Hill. As early as 1904 steps were taken to acquire land on this site. A purchase of seventeen acres was made from

Provo City. A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area comprising the present campus of seventy-five acres, was purchased by the University, following a movement initiated by the Alumni Association.

Administration—The first faculty consisted of the principal and two assistants, Dr. Karl G. Maeser, Dr. Milton H. Hardy, and Kristina Smoot. Dr. Karl G. Maeser served as principal until 1891, when he was called to the general superintendency of church schools. Dr. Benjamin Cluff, Jr., succeeded Dr. Maeser and served as the executive head of the school until December 22, 1903. Dr. George H. Brimhall succeeded Dr. Cluff and served the institution as president until April 26, 1921, when he was made president-emeritus. On the same date Dr. Franklin Stewart Harris was appointed president, taking office July 1, 1921.

Educational Growth—The first credential granted by the institution was a teacher's certificate given on the completion of one year's normal work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

Later the Bachelor of Arts and Bachelor of Science degrees were authorized to be conferred upon the completion of the regular four year college courses.

Master degrees have been authorized since 1918.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the University was designated The Church Teachers' College.

At the beginning of the school year 1920-21, the name Church Teachers' College was changed to School

of Education, and the School of Arts and Sciences was established.

During 1921 a college of Commerce and Business Administration was organized and courses leading to a degree of Bachelor of Science outlined. The names, School of Education and School of Arts and Sciences, were changed to College of Education and College of Arts and Sciences. At the same time an Extension Division, a Research Division, and a Graduate Division were organized.

January 25, 1922, a College of Applied Science was established to include the departments of Agronomy, Animal Husbandry, Art, Auto Mechanics, Drafting, Foods and Nutrition, Horticulture, Household Administration, Textiles and Clothing, and Woodwork.

On April 21, 1925, a College of Fine Arts was established to include the departments of Art, Music, and Public Speaking and Dramatic Art.

During the year 1928-1929 the Y Stadium was completed, the name of the College of Commerce and Business Administration was changed to College of Commerce; and the Graduate Division was changed to Graduate School with a regular Dean in charge.

ORGANIZATION

The Brigham Young University as now organized comprises:

1. A College of Applied Science
2. A College of Arts and Sciences
3. A College of Commerce
4. A College of Education
5. A College of Fine Arts
6. A Graduate School

7. An Extension Division.

8. A Research Division.

Elementary and Secondary Training Schools are maintained in connection with the College of Education. Vocational Courses are offered in the Secondary Training School for mature persons not ready for college work.

DEPARTMENTS OF INSTRUCTION

Accounting and Business Administration

~~Agronomy~~

~~Animal Husbandry~~

Art

Botany

Chemistry

~~Drafting~~

Economics

Educational Administration

Elementary Teaching

English

Finance and Banking

Geology and Geography

History

Home Economics

~~Horticulture~~

Library

Mathematics

~~Mechanic Arts~~

Modern and Classical Languages

Music

Office Practice

Physical Education

Physics

Political Science

Philosophy of Education

Psychology

Rural Social Economics
Secondary Teaching
Sociology
Speech
Religious Education
Zoology and Entomology

LYCEUM COURSE

For many years the University has brought to its students distinguished men and women in lectures, in dramatic art, and in music.

During the past year the following appeared on the course:

Betty Booth Concert Company.
Will Durrant—"Is Progress Real".
George Findlay Simmons—"Sinbads of Science".
Lewis Browne—"This Believing World".
Joan London—"Jack London".
Arnold Blackner—Tenor.

LOAN FUNDS

The Emmeline B. Wells Relief Society Loan Fund.
—In honor of Emmeline B. Wells, the General Board of the Relief Society has established a loan fund to assist young women to complete their school work.. The lending of this fund is under the supervision of the Deans' Council.

Student Loan Fund.—The Sophomore class of 1922 established a loan fund to assist students to complete their school work. This fund is augmented each year, the Sophomore class assuming the responsibility for making an annual addition. The lending of this fund is under the supervision of the Deans' Council.

Harmon Foundation Student Loan Fund.—The

Brigham Young University has been chosen by the Harmon Foundation as one of the limited number of colleges in the United States whose students may receive assistance in financing their education. Juniors and Seniors, up to a given number each year may borrow money from this fund. The interest is to be paid semi-annually, and the principal is to be paid in monthly installments beginning one year after graduation. Should the student discontinue school before graduation, the monthly installments are to begin three months after leaving school. The Harmon Foundation is a strong financial organization now rendering financial assistance to students in many of the colleges in the United States. A faculty committee represents the University in making these loans.

Home Economics Loan Fund.—The Home Economics Club of the University has established a loan fund to assist students of the Home Economics Department. The lending of this fund is under the supervision of the Deans' Council.

Alpha Kappa Psi Fund.—The Alpha Kappa Psi has established a loan fund for senior students of the College of Commerce. The lending of this fund is under the supervision of the Dean's Council.

STUDENT BODY

General Organization.—This organization is composed of all students who attend Brigham Young University and is presided over by officers elected by them. It seeks to develop interest on the part of every student in all those activities which contribute to a bigger, better, and more democratic "Y" spirit, and to furnish opportunities for all students to participate in those activities which interest them most. Through this organization, student traditions are kept alive. All

interclass and intercollegiate activities are encouraged and unified by this organization. Forensic, dramatic and music activities are fostered by and are under its management and through it the students publish the school periodicals and also the University year book, the "Banyan." The organization also functions as an auxiliary of the school discipline.

Associated Women Students.—This is an organization comprised of all girls registered in the institution. Its purpose is to aid and foster all girls' activities. This organization is also a member of the Western Division of the National Organization of Associated Women Students, which includes practically all of the universities and colleges in the United States.

Block "Y" Club.—An organization of students who have won a Block "Y" in intercollegiate athletic or forensic competition. Its purpose is to foster the traditions of the school, keep alive the athletic and forensic spirit, encourage a true spirit of sportsmanship, and to meet visiting teams of athletes or debaters, and help to encourage friendly relations with sister institutions.

STUDENT BODY PRIZES AND AWARDS

The Jex Gold Medal is awarded annually for the best patriotic oration. This medal is presented by the Jex family.

The Kirkham Medal, a gift of Francis W. Kirkham, to those who win their state inter-collegiate debates.

The Dixon Silver Cup, is presented for the best extemporaneous speech. It is given annually by Mr. Rulon Dixon.

The Dr. Horace G. Merrill Silver Loving Cup is awarded to the student of the University who shall attain first place in the annual Cross Country Run, held

immediately preceding the Thanksgiving recess. Should a student win first place more than twice the cup becomes the property of such student.

CLUBS AND SOCIETIES

To enlarge the educational and social opportunities of the university, units, clubs, and societies are organized. In these groups, the spirit of the institution is fostered, and democracy is especially encouraged.

SOCIAL-UNIT ORGANIZATION

The University recognizes proper social development as one of the important by-products of college training. For many years this social opportunity has been provided through the class and club organizations of the institution, but in recent years these organizations have become too large to provide students with the intimate social contacts, and opportunities for leadership which are thought desirable.

To provide suitable opportunity for the fulfillment of this purpose the Social Unit Organization was adopted.

The plan provides that every student in the University shall belong to a Social Unit. These units include from twenty to thirty members, grouped on the basis of sex, social interest and congeniality. The whole scheme is democratically supervised by the Social-Unit Committee, which consists of members from faculty, classes, and other organized groups in the University. The Inter-Social-Unit Council, made up of representatives from each Social Unit, has jurisdiction over the internal affairs of the Units, such as fees, costs of entertainments, etc.

The Social Units are doing much to keep alive the social ideals of the University and to perpetuate

the democratic social traditions characteristic of the Student Body.

DEPARTMENTAL

This group of organizations has the specific purpose of bringing together persons of similar scholastic interests and of rendering their work more pleasurable and profitable. Each group will foster the activities of the department to which it is allied. The eligibility rules thereof will be such that any member of the department may qualify for membership by meeting the scholastic requirements imposed by the organization. The fees will be reduced to a minimum. Each organization will have a faculty advisor. The following departmental clubs and societies have been organized:

The "Ag" Club.—This organization is open to all students of Agriculture, the purpose being to meet and receive instruction from men who have succeeded practically and scientifically in the agricultural work of the state. Meetings are held every alternate Wednesday afternoon. Social functions in conjunction with the Home Economics department are featured during the year.

Art Club.—This organization is for the benefit of students having special talent in any particular phase of fine and applied art. Lectures on practical topics in connection with arts and crafts are given by members of the faculty and other recognized educators. Exhibitions of artists and of craftsmen's work are held under the auspices of this organization.

Drama League.—The purpose of this league is to foster the art of reading and dramatics, to appreciate paintings and music, and to give opportunity to its members to hear lectures and readings from the best talent of the state as well as those who are on the lecture platform and the stage. The society meets week-

ly. It is affiliated with the Drama League of America.

French, Spanish, German, and Latin Clubs.—Teachers and students interested in the study of French or Spanish or German or Latin are organized into clubs. These clubs meet twice a month and enjoy programs of songs, talks, reports, games, etc., in which the foreign language is the medium of speech. The clubs are in the fullest sense student organizations. Membership is open not only to students but also to all people within easy reach of the University who have studied or are studying the modern languages. Membership privilege is especially extended to people of the community of French, German, Spanish or Spanish-American birth.

Home Economics Club.—This club is organized to create a professional spirit among the students of Home Economics. Regular meetings are held at which interesting lectures are given. Special activities are fostered. All girls registered in Home Economics courses are eligible for membership.

Gamma Phi Omicron.—(Home Economics.) An organization of the advanced students majoring in some phase of Home Economics. Its purpose is to develop culture and scholarship among its members, and to lend its aid in establishing better homes and community life.

Literary Club.—The purpose of this organization is to develop greater appreciation of good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

Music Society.—This society meets conjointly with the Drama League and alternately furnishes pro-

grams of varied musical importance. Leading musicians of the state will augment local talent in producing some of the world's greatest music. Membership in this society entitles admittance to all Drama League activities.

Young Commerce Club.—This club is a student organization devoted to the development of good fellowship among the business students. Luncheons and programs are given at regular intervals during the school year at which prominent business and professional men of the inter-mountain country are the principal speakers. All students of the College of Commerce are eligible for membership.

"Y" Typist Club.—This club is organized to encourage students to become more proficient typists. To become eligible the student must pass three ten-minute speed tests with an average of 55 words net per minute. Opportunity will be given the members to hear talks on the relationship of the typist to the business world.

Young Education Association (Y. E. A.)—An organization of all students working for the two-year normal diploma. Its purpose is to foster fellowship and sociability among its members, and to encourage their educational life by bringing in prominent educational speakers.

Young Women's Missionary Club.—An organization of women students who have been engaged in active missionary service. Its purpose is to preserve the missionary spirit among the students and alumnae of the University and to render help where possible to women missionaries in the field.

Friars' Club.—An organization open to all male students who have done regular missionary work. Its purpose is to foster fellowship, missionary ideals, and sociability. Luncheons and programs are given during

the school year at which prominent men of the Church and State are the principal speakers. This chapter is associated with those at the Utah Agricultural College, Weber College, and the University of Utah.

Psychology Club.—An organization to foster a better understanding of scientific psychology, and to supplement the regular courses of the department by affording the opportunity of discussing certain current problems by advanced students and outside speakers.

David Starr Jordan Biology Club.—This organization is open to all who have shown special interest in the fields of Biological science. The club aims to develop interests in all forms of biological study and has, for its major project, the building of a great library of natural science literature. During the past year some two hundred volumes have been collected by club members. The increasing animal and plant collections of the departments and the new laboratory at Utah Lake, offer interesting material for new students. Special lectures by eminent state naturalists, have proved to be of the greatest interest and educational value. Outside of resident students, the membership consists of faculty members, alumni and prominent townspeople.

Graduate Club.—This club is an organization of the students of the University who are pursuing graduate study. The purpose of the organization "shall be to foster fellowship among its members; to stimulate a desire for higher learning; to assist in finding and developing leadership in the communities; and to use every effort to enhance the interests of the Brigham Young University." A student becomes a member automatically upon registration in the graduate division.

GEOGRAPHICAL

Geographical clubs have been organized for the

furthering of social enjoyment and the establishing of bonds of sympathy between the school and the home.

NATIONAL FRATERNITIES

Theta Alpha Phi.—National professional dramatic fraternity—co-educational.

Tau Kappa Alpha.—Honorary national debating fraternity. Those who engage in inter-collegiate debating and oratory or who attain marked distinction in forensic activity are eligible to membership.

Alpa Kappa Psi.—(Commerce). (Beta Delta Chapter). The purpose is to foster studies in commerce, encourage scholarship and association between members and the commercial world. Male College of Commerce students above freshman standing are eligible for membership.

NON-STUDENT ORGANIZATIONS

B. Y. U. Women's Organization.—The purpose of this organization is to foster the ideals of the institution and to help furnish recreation and social amusement for the faculty. A woman is eligible for membership in this organization and becomes a member on payment of dues provided that at the time she seeks admission she is either: (1) a present faculty member, (a faculty member is one who holds at least the rank of instructor); (2) a past faculty member; (3) a matron; (4) a board member; (5) the wife of a faculty member who has died in the service of the school; (6) the wife of a present faculty or board member.

Faculty Fine Arts Club.—This club is organized to develop and maintain a closer co-operation among the members of the fine arts faculty; to increase the appreciation of each member for all arts; to keep the members aware of what is going on in the various fields of fine arts; and to encourage among the members

original creation in music, literature, painting, etc.

Faculty Science Club.—The purpose of this organization is to stimulate scientific research. Opportunity is afforded the faculty to hear papers dealing with problems of interest in the various fields of science.

SCHOLARSHIPS AND PRIZES

Maria Y. Dougall Scholarship.—A scholarship for girls, representing \$30.00 awarded annually on the recommendation of Mrs. Maria Y. Dougall of Salt Lake City.

Eliza A. Wollacott Scholarship.—A scholarship for girls, representing \$30.00 awarded annually through the recommendation of President Emeritus G. H. Brimhall.

Whitmore Scholarship.—G. M. Whitmore of Nephi, gives an annual scholarship of \$100.00 for the First National Bank of Nephi, to some worthy student selected by the College of Commerce faculty. In awarding this scholarship preference is given to applicants from Nephi, Levan, and Fountain Green.

Firmage Scholarship.—This scholarship is given by J. L. Firmage of the Firmage chain of J. C. Penney Stores and manager of the J. C. Penney store of American Fork. The award consists of \$100.00 to be given to some worthy student selected by the College of Commerce faculty. In awarding this scholarship preference is to be given applicants from the Alpine School District.

Firmage Band Scholarships.—For the encouragement of worthy students interested in band music, J. L. Firmage has established, also, two band scholarships of \$50.00 each.

Van Wagenen Band Scholarship.—For the encouragement of worthy students in the line of band music, Mr. Alma Van Wagenen of Provo has established an annual scholarship of \$50.00.

Annual Commercial Contest Scholarships.—Two scholarships are awarded to the winners of the shorthand and typewriting events in the Commercial contest for high school students held at the University each year.

Alpha Kappa Psi Scholarship.—The Alpha Kappa Psi organization awards annually a scholarship to the most scholarly student of the College of Commerce, above the freshman year, during the autumn and winter quarters.

The Oscar B. Young Prize.—An award of \$50.00 given annually by Professor Kimball Young for the best essay on some phase of **Mormon Community Life**. The adjudication is under the supervision of the department of Sociology.

The Talmage Prize.—Dr. James E. Talmage offers a cash prize of twenty-five dollars to the student who writes the best essay on some religious topic.

AWARDS

Provo Chamber of Commerce Medal.—The Provo Chamber of Commerce presents annually a gold medal to the most efficient student in the University, based upon scholarship, social status, and public service.

Mrs. S. L. Chipman Gold Medal.—Mrs. S. L. Chipman offers annually a gold medal to a registered art student for the best painting of Mount Timpanogos

The Elsie Chamberlain Carroll Medal.—Mrs. Elsie Chamberlain Carroll presents annually a gold medal to

the student (girl) of the University writing the best short story.

The Adams Gold Medal.—Mr. and Mrs. Walter Adams present annually a gold medal to the student who renders best two selected compositions on any stringed instrument other than the piano. One selection is to be by an American composer, the other by a recognized artist.

The Taylor Gold Medal.—Mr. Lester R. Taylor presents annually a gold medal to the student who renders best a piano selection, the composition to be by a recognized artist.

The Pardoe Gold Medal.—Professor and Mrs. T. Earl Pardoe present annually a gold medal to the student rendering the best selection on any wind instrument. One selection is to be by an American composer, the other by a recognized artist.

The Woolley Gold Medal.—Miss Mary Woolley presents annually a gold medal to the student giving the best rendition of a dramatic reading.

The Anderberg Gold Medal.—Anderberg, Inc., offers annually a gold medal for the most efficient athlete. Efficiency is based upon participation in athletics, scholarship, and social activity.

The Noble Medal.—A gold medal presented each year to the most efficient student enrolled in the department of Home Economics. The donor, Mrs. Hazel Nora Noble Boyack, stipulates that the award be given to a girl in the senior college.

The R. R. Irvine Gold Medal is presented annually for excellence in oratory, subject to be based upon some economic problem.

The Sophomore Class, 1921, Gold Medal is awarded annually for excellence in vocal art.

The Provo Drama Center, Mask Award.—A prize of twenty-five dollars is given each year for the best one-act play of merit, on a Western or pioneer theme.

Provo Rotary Club Gold Medal.—A gold medal awarded to the winner of an oratorical contest on some subject of international good will.

Studio Guild Medal.—A gold medal is awarded annually by the Studio Guild for the best landscape painting done in any medium. The painting must be done one year before the award is made. Two members of the Art department faculty and one member of the Studio Guild make the selection.

Dramatic Service Awards.—The Dramatic Art department awards annually a dramatic honor pin to each of three students who have given the most helpful service to the University and to the community during the year.

The John W. McAllister Gold Medal.—A gold medal is awarded annually by Mr. McAllister to the most excellent male singer in the University, to be determined by public contest.

ACCOMMODATIONS

The university emphasizes the value of home life and the people of Provo have shown great educational patriotism in providing for the comfort and convenience of students. About two weeks before the opening of school, the standing faculty committee on student accommodations will prepare a list of available lodging places. The boarding houses are inspected to see that accommodations are satisfactory. The University insists that boys and girls be housed separately. If students desiring accommodations will call on the committee when they arrive in Provo they will be directed to the kind of place they wish.

The price of accommodations at private homes varies as it does at hotels and rooming houses, the rate depending upon what the student wants and his willingness to pay.

DISCIPLINE

The maintenance of standards of honor, Christian integrity, and Latter-day Saint ideals is required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or associations are subject to discipline.

The use of tobacco will not be permitted, and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violations of regulations makes the offender liable to suspension or expulsion.

Regular attendance is required at all recitations, laboratory and field work. The committee on attendance and scholarship has general supervision of the disciplinary work of the institution. Regular students who are not satisfactorily carrying at least ten hours work will not be allowed to remain in the institution.

FUNCTION OF THE MEDICAL DIRECTOR

The principal function of the medical director is to conduct the physical examinations of the students and to look after the general health conditions of the school. In addition all students have the privilege of free consultation with him at his university office

during scheduled office hours, or by appointment. He will gladly respond to all calls to investigate the presence of contagious disease, but he cannot assume the responsibility of furnishing free treatment for such cases, as is done in schools where the students pay a medical or hospital fee. However, if those students who are unable to pay for necessary service are reported, efforts will be made to see that they are taken care of. No charge will be made for first aid service to persons injured in athletic contests or other forms of school activities, except for materials used.

DEAN OF WOMEN

The Dean of women is charged with the general oversight of all women students, and is always ready to aid and advise them in matters pertaining to their university life. She will not only attend to the special needs of young women during school hours, but will use every precaution to see that they are properly cared for at their boarding places. All women students are required to leave a directory card with the Dean of Women when they register.

LIBRARY

The University Library contains about 60,000 volumes and 50,000 pamphlets and bulletins. Besides being a Government Depository, it is regularly supplied with public documents from many of the states, and the publications of the Carnegie Peace Foundation, the Carnegie Institution of Washington, and many other technical organizations. It maintains its own book bindery.

The Library is open each school day during the regular school year from 8 a. m., till 10 p. m.; on Saturday from 10 a. m., till 4 p. m.; and during the summer session from 7:30 a. m., till 8 p. m.

GENERAL REQUIREMENTS FOR UNDER-GRADUATE WORK

ADMISSION

A student seeking admission to any of the colleges of the University must be a graduate of an accredited high school, or he must present sixteen units of approved high school work which must be acquired during four school years, or he must pass an examination in a sufficient number of subjects to make sixteen units. No fewer than twelve of the sixteen units must be acquired in senior high school. He must offer among his credits the following:

English -----3 units.

A principal group -----3 or more units.

A secondary group -----2 or more units.

The principal and secondary groups must be selected from either Mathematics and Science or from History and Social Science. If the principal group is from Mathematics and Science, the secondary group must be from History and Social Science, or vice versa.

To facilitate registration, a student seeking admission is requested to forward an official copy of his credits to the Registrar not later than September 1. If blanks for this purpose are not to be had at the local school, they may be obtained from the Registrar of the University.

ELECTION OF STUDIES

In case a student is unable to furnish an official transcript of credits on or before the day of registration, he may be admitted tentatively, provided the committee on admission and credits is convinced he can furnish such transcript and otherwise meet the entrance requirements within thirty days. During

this tentative period he will be rated as unclassified.

A student of twenty-one years of age or over, who has not completed sixteen units of high school work, but shows ability to do special work, may be admitted to any of the colleges of the University. Ability to do special work must be certified to by the heads of the departments concerned. He may pursue any course for which he has sufficient foundation, and will be rated as an unmatriculated student.. To become a candidate for a degree such student must meet the entrance requirements.

A student who has met the entrance requirements, but who is carrying fewer than eight hours of work will be designated as a special student.

COURSE DIVISIONS

Undergraduate courses of study are divided into:

- (a) Lower Division.
- (b) Upper Division.

Lower Division courses are numbered in the catalogue from "1" to "49", Upper Division courses from "50" to "99". Graduate courses are given numbers above "100". Graduate credit may be given for certain upper division courses. Such courses are indicated by an asterisk.

ELECTION OF STUDIES

The student, in electing his studies, should with the advice and approval of the dean of the college in which he registers, elect such studies as are desirable. The major and minor, as well as the general, requirements for graduation should be kept in mind in electing studies. Physical Education, 11, 12 and 13 are required of Freshmen, except that in the College of Education Freshmen may take Physical Education 21 and

22 instead of 11 and 12. Sixteen hours of credit a quarter is the maximum amount of work to be elected. Permission to register for additional work can be secured through petition only. Should a resident student desire to take courses by correspondence or in extension classes, the approval of the student's dean must be secured, and the correspondence or extension work entered upon the regular registration card.

At least five quarters of lower division work should be completed before the student registers for upper division work, unless in certain sequences the dean with the consent of the instructor advises otherwise. Included in the lower division work must be English 1, 2, 3; and for the A. B. degree twelve hours in foreign language work. It is recommended that as far as possible group requirements be completed by the close of the sophomore year.

CLASSIFICATION OF STUDENTS

A regular student with fewer than forty-five hours credit at the beginning of the school year will be classed that year as a Freshman.

A regular student with more than forty-five hours credit and fewer than ninety at the beginning of the school year, will be classed during that year as a Sophomore.

A regular student with more than eighty-nine hours credit and fewer than one hundred thirty-five at the beginning of the school year, will be classed during that year as a Junior.

A regular student with more than one hundred thirty-four hours credit at the beginning of the school year, will be classed during that year as a Senior.

CREDITS

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited college when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. Credits from other schools should be filed with the Registrar upon entrance.

Special examination for advance credit will be given only with the consent of the head of the department concerned, the dean of the college in which the student is registered, and the committee on credit.

A condition in any course of study must be removed during the next quarter of residence, provided the next quarter of residence is not longer than one year after such condition is incurred; otherwise the course must be retaken in class or a special examination taken, if credit is desired.

A fee of \$2.50 per credit hour is charged for all special examinations.

GRADUATION

GENERAL REQUIREMENTS

Before a student can be admitted to candidacy for a diploma or a degree, his scholastic record must show that he has satisfied the entrance requirements, and that he can fulfill all the requirements for graduation on the completion of the courses for which he is registered.

At the time of graduation each candidate must be properly registered in the University, and must have

completed at least forty-five hours of work in residence.

The number of hours of credit designated by "A" and "B" grades presented by each candidate shall at least equal the number of hours designated by a "D" grade.

Students who expect to be graduated at the end of the spring quarter should file application with their dean not later than the beginning of the winter quarter. All conditions must be removed not later than ten days before graduation.

Students who fulfill all requirements for graduation at the close of the Summer School and who have filed application for graduation not later than thirty days preceding the close of the spring quarter may have their graduation certified to by the proper authorities of the University, but they shall not be publicly graduated until the annual commencement of the following year.

The University reserves the right to change the requirements for graduation. A candidate for graduation will be asked to comply with all changes which pertain to the uncompleted portion of his course. The University Council is the body authorized to prescribe requirements for graduation and to pass on candidates.

BACHELOR DEGREES

University Requirements.—To obtain a Bachelor's Degree, each candidate must meet the general requirements with respect to registration, residence, and scholarship, including lower division requirements; and must also secure credit in approved courses amounting to one hundred eighty-six hours of college work.

Prescribed Courses.—Each candidate must furnish credit in English 1, 2, and 3, and Physical Education 11, 12, and 13 or the equivalent. The candidate for

the Bachelor of Arts degree must have at least 24 hours credit in a foreign language.

Lower Division Requirements

Ordinarily the object of the first two years of the University curriculum is to introduce the student to fundamental fields of human interest and to provide a broad basis for later specialization. In order that these purposes may be achieved, certain studies should be completed under the direction of the respective deans. Before a regular student will be permitted to register for more than five quarter hours of upper division work during any one quarter, he must choose or be tentatively assigned to a major professor and have completed the number of hours prescribed in each of the following groups:

1. **Mathematics and Physical Science—12 hours.** (Mathematics, Chemistry, Physics, Geology and Geography). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

2. **Biology and Psychology—12 hours.** (Botany, Zoology and Entomology, Psychology). Not more than six quarter hours in one department may be counted in fulfilling this requirement. At least one of the courses taken must require no fewer than two hours of laboratory work each week.

3. **Social Science—12 hours.** (Economics, History, Political Science, Sociology). Not more than six quarter hours in one department may be counted in fulfilling this requirement.

4. **English and Foreign Languages.—18 hours.** This group must include English 1, 2, and 3. In case a student has credit for at least two units of foreign

language taken in high school, this group may be reduced to 14 hours..

Upper Division Requirements

At least sixty hours of upper division work must be furnished by students applying for graduation.

At the beginning of his Junior year each student should select his major professor who, in connection with his dean, will serve as his special faculty advisors. At the time of his graduation he must have completed no fewer than thirty quarter hours in the department in which he is majoring, and no fewer than twenty hours in a collateral or minor subject which meets the approval of his dean and his major professor. He must also satisfy any special departmental requirements announced in the catalogue.

In cases where the prospective graduate's high school and college work shows marked evidences of deficiencies in grade of scholarship, in breadth of training, or as preparation for probable future activity, the dean may use his discretion in prescribing certain specified courses to the extent of fifteen quarter hours according to the needs of the particular student.

THE GRADUATE SCHOOL

All graduate work leading to higher degrees is now administered under the direction of the Graduate School.

Character of Graduate Work.—The essential aim of graduate study is to develop the power to do independent work and to encourage the spirit of research. Each candidate for a higher degree is expected to possess a broad, general knowledge of his major and a fair degree of information in his minor subject.

Registration.—All students pursuing graduate work are to be registered by the Dean of the Graduate School.

Students holding a Bachelor's degree equivalent to that conferred by the Brigham Young University will be admitted to graduate work without examination.

If during any quarter of the senior year a candidate for a baccalaureate degree finds it possible to complete all requirements for such degree with a registration of fewer than sixteen hours of undergraduate credit, he may register with the Dean of the Graduate School for enough graduate credit so that the total registration shall not exceed sixteen quarter hours during such quarter.

Admission to graduate courses is granted only to those who have the requisite undergraduate work in those courses or departments. In order adequately to determine this fact a student should file with the Dean of the Graduate School an official transcript of his undergraduate courses at the time that he registers for graduate study.

Each graduate student must submit his course of study and the title of his thesis to his major professor and the Dean of the Graduate School for approval. Changes in registration may be made only with their consent.

Graduate credit is given under the following conditions: (1) The courses for which graduate credit is given must be definitely catalogued as courses carrying graduate credit. (2) Only those students who are eligible to receive graduate credit at the time a course is taken will receive graduate credit for such a course.

Admission to Candidacy.—Registration for graduate study does not admit a student to candidacy for a higher degree. A graduate student who has been in

residence one quarter or more, whose thesis subject has been approved, and who has given evidence of ability to do work of a graduate character may be admitted to candidacy for a higher degree by vote of the University Council. The mere accumulation of credits does not necessarily indicate ability to do graduate work. All applications for admission to candidacy for a higher degree should be made to the Dean of the Graduate School.

Requirements for the Master's Degree.—Two higher degrees are offered: Master of Arts, (M. A.) provided the candidate meets the foreign language requirement for the A. B. degree; and Master of Science (M. S.) if the candidate does not meet the foreign language requirement for the A. B. degree. A student may be admitted to candidacy upon the completion of the following requirements: (a) The candidate must after securing a Bachelor's degree, furnish 48 hours of graduate credit, approved by the Dean of the Graduate School and major professor, 32 hours of which must be in residence, in addition to 186 hours of college credit, and 16 units of high school credit. (b) A thesis must be submitted based on work done in some field of investigation within the major department, and which must show evidence of independent research. The final acceptance of the thesis shall be under the supervision of a committee to be known as the Thesis Committee. This Committee shall consist of the major professor and two other persons to be selected by him. The thesis must be completed at least ten days before the final examination. (c) At least fifteen days before graduation, the candidate must pass an oral examination to be given by a committee to be known as the Examining Committee. This Committee shall consist of five members including the Dean of the Graduate School, the major professor, and three other members to be selected by them.

The candidate shall furnish complete copies of his

thesis to his major professor and to the Dean of the Graduate School at least five days before the date of the final examination. (d) A bound typewritten or printed copy of the thesis must be furnished the University library. Before the degree is granted the candidate must file with the Dean of the Graduate School a statement from the Librarian acknowledging the receipt of this copy. (e) A candidate for a Master's degree must secure a grade of "B" or above in three fourths of his graduate work. No grade below "C" will count toward a Master's degree. (f) An applicant for this degree must furnish at least one half of his graduate credit in his major subject. The rest of the credit for this degree must be offered in work closely related to the major subject.

SCHOLARSHIP HONORS

In recognition of meritorious work, scholarship honors are granted to members of degree graduating classes in accordance with the following:

First. There shall be two degrees of honor: **Graduation with Honor**, and **Graduation with High Honor**.

Second. The awards shall be made on the basis of excellence shown in the upper division or graduate work done in the Brigham Young University.

Third. To receive the award of Graduation with Honor a student shall have a record of not fewer than thirty hours of upper division work showing "A" grade and not fewer than fifty hours of such work showing "A" and "B" grades.

Fourth. To receive the award of Graduation with High Honor a student shall have a record of not fewer than forty hours of upper division work showing "A" grade, and not fewer than fifty-five hours of such work showing "A" and "B" grades.

Fifth. The number of graduates receiving honors shall not be greater in any year than one-fifth of the number of students graduating. In the event that more than one-fifth of the graduates shall meet the honor requirements set forth above, the students to receive honors shall be chosen as follows: The number of hours of "A" grade of each subject shall be multiplied by "1½", and the number of hours of "B" grade by "1." The one-fifth of the graduates receiving by this process the highest product totals shall receive honors.

Sixth. It shall be the duty of the Committee on Graduation to make selection of candidates in accordance with these provisions.

Seventh. The announcement of honor awards is to be made at the annual commencement exercises.

Term Honors.—The University will post and publish at the close of each quarter of the regular school year the names of the one graduate student, the five senior college students (juniors and seniors), and the five junior college students (freshmen and sophomores) who have received the highest grades in class work during the quarter.

Class grades are to be used exclusively in determining honors, except in case of a tie, when the general school activity of the student shall be considered. The basis of the computation shall be credit hours times grade; and an "A" shall count one and one-half times a "B."

Colleges

COLLEGE OF APPLIED SCIENCE

The aim of the College of Applied Science is to provide instruction in the scientific principles and technical operations pertaining to the farm, the home, the shop, and the professions, trades, and industries related to the same. Students may specialize in any one of the many fields of applied science and prepare for capable leadership and efficient service in their chosen lines.

Majors may be selected from the following departments in the College of Applied Science: Agronomy, Animal Husbandry, Horticulture, Foods and Nutrition, Clothing and Textiles, Household Administration, Drafting, Mechanic Arts, Rural Social Economics.

The work offered will be of standard collegiate grade and upon completion of the required amount of study in fundamental subjects, specialized courses, and related work a student may be granted the degree of Bachelor of Science or Bachelor of Arts.

COLLEGE OF ARTS AND SCIENCES

The primary purpose of the College of Arts and Sciences is to meet the needs of students who desire a broad and liberal education that will enable them to find and take their places in the complex civilization of today. Abundant opportunity is provided for those who have ambition for specialized study in engineering, medicine, law; or who desire to train for religious, political, or social leadership. Preparation for original investigation in the fields of this college is emphasized. Students who wish to build a foundation for advanced degrees will find this college rich in opportunity.

Students may select their majors from any of the following departments in the College of Arts and Sciences: Botany, Chemistry, English, Geology and Geography, History, Mathematics, Modern and Classical Languages, Physical Education, Physics, Political Science, Psychology, Rural Social Economics, Sociology, and Zoology and Entomology. The degrees Bachelor of Arts and Bachelor of Science are given to graduates of this College.

COLLEGE OF COMMERCE

The purpose of the College of Commerce is to provide Training for Leadership in finance and industry. Courses are so arranged that students will be given the training that will best fit them for analyzing business conditions for efficiency in office administration and for the demands of the industrial and financial world. The degrees Bachelor of Science and Bachelor of Arts are given to graduates of this College.

Majors may be selected from the following departments: Finance and Banking, Accounting and Business Administration, Economics, and Political Science.

COLLEGE OF EDUCATION

The College of Education is one of the professional schools of the University. Its principal function is the training of teachers, supervisors, and superintendents. This college aims to meet the requirements of the Utah State Board of Education for the various grades of elementary and high school certification and for certificates and diplomas in administration and supervision.

The College of Education is made up of two constituent divisions, namely: The department of academic instruction and the training schools.

The following departments are at present organized: Elementary Teaching, Philosophy of Education, Psychology, Educational Administration, Secondary Teaching.

In addition to the foregoing departments for majors and minors in the College of Education, students of this college may take a teaching major of thirty quarter hours in any department of the University, provided they take at least thirty-six hours in professional educational subjects, nine hours of which may be in such allied subjects as Sociology, Ethics, Civics, and Health Education.

Training Schools.—Two training schools are established: first, an elementary training school organized for practice teaching for those preparing for elementary school work; Second, a secondary training school, which offers training in the six years of high school, and gives ample opportunity for practice teaching to advanced students.

The degrees of Bachelor of Arts and Bachelor of Science are given to graduates of this College.

RECOMMENDED COURSE SEQUENCES

Students Majoring in Elementary Teaching

1. Regular freshmen and sophomore courses leading to normal diploma.
2. Psychology 72, 79, Elementary Teaching 60 in junior year.
3. Elementary Teaching 61, 62, 63, Educational Administration 75 and 79 in senior year.

Students Majoring in Secondary Teaching

1. In freshmen and sophomore years a teaching

major should be planned and the following courses taken: Philosophy of Education 36 and Psychology 11.

2. Psychology 72 and 77, Secondary Teaching 81, Educational Administration 46, 73, Philosophy of Education 87, or other electives in Secondary Teaching in junior year.

3. Secondary Teaching 51, 52, 53, 54 and electives in Secondary Teaching in senior year.

Students Majoring in Educational Administration

1. In freshman and sophomore years regular group requirements should be taken with Philosophy of Education 36, Psychology 11, and Elementary Teaching 5. It is better to take a regular teaching course and have teaching experience before majoring in Educational Administration.

2. Educational Administration 73, 60, 61, 62, 63 79, Psychology 72, 73, 78, in junior year.

3. Educational Administration 75, 80, 111, 112 in senior year.

Students Majoring in Philosophy of Education

1. In freshman and sophomore years regular group requirements should be taken with Philosophy of Education 36.

2. In the junior year, Psychology 72 or 77, Philosophy of Education 81, 86, 84, 74, and 72.

3. In the senior year, Philosophy of Education 85, 87, 88, 89, 92, 96.

Special Teaching Courses

Elementary teachers are expected to take a two-year course leading to the normal diploma which is granted to students registered in the College of Edu-

cation, who complete two years of college work including English 1, 2, and 3, and the following technical courses in teaching: Elementary Teaching 1, four hours; Psychology 21, three hours; Zoology 20, three hours; Elementary Teaching 12 and 13, eight hours; either Elementary Teaching 6 and 7, 8 and 9, or 10 and 11, six hours; Elementary Teaching 16, twelve hours; Physical Education, three hours; Elementary Teaching 5, three hours, and enough electives to make a total of forty hours in education.

The proper sequence for these courses is as follows:

Freshman year: Elementary Teaching 1, Psychology 21, Zoology 20, Elementary Teaching 12, 13; English 1, 2, 3; Physical Education.

Sophomore year: Methods, Elementary Teaching 16, Elementary Teaching 5.

This diploma is an endorsement of the student's fitness to teach in the elementary schools and will enable the student to secure a first class certificate from the state. Because of the size of the training school only a limited number of students can receive training each year.

Junior high school teachers are expected to complete three years of college work including the same special requirements made of senior high school teachers, a teaching major of 30 hours or two minors of 18 hours each.

Senior high school teachers are expected to complete a teaching major of 30 hours in one of the departments of the university and the following technical work in education, or its equivalent.

Zoology 20 (Health Education), Sociology and Ethics, 5 hours; Economics and Political Science 5 hours; Philosophy of Education 81 (Science of Educa-

tion); Psychology, 72; Secondary Teaching 51, (Methods); Secondary Teaching 52, (Organization and Administration); Secondary Teaching 54 (Training); and electives in education to make 27 hours in professional educational courses.

Such a course will qualify the student for a Utah State Professional High School Certificate.

COLLEGE OF FINE ARTS

The policy of the University has always provided for a liberal patronage of the fine arts. A constantly growing desire to offer greater opportunities to those whose inclinations and talents lead them into this field resulted in the organization of the College of Fine Arts.

With an exceptionally well prepared faculty, who have received the benefits of extended study and travel in recognized art centers, and adequate physical equipment in each department, this college is able to do work of high scholastic standing.

Any course offered in this college, leading to a degree, is the cultural equivalent to other college courses differing from them mainly in respect to the emphasis placed upon the study of the fine arts.

At present the following departments are fully organized: Art, Public Speaking and Dramatic Art, and Vocal and Instrumental Music. Majors may be selected from the work offered by these departments. Graduates of this college may receive the degree of Bachelor of Arts or Bachelor of Science.

SUMMER SESSION

It is the policy of the Brigham Young University to make the summer session one of the regular quarters of the school year. A large corps of teachers, supplemented by well known educators from other institutions, offers a wide range of subjects from each of the departments of the school.

The summer session is divided into two terms so that students may be in attendance only part of the summer, if they desire, without hindrance to the completion of their courses. The first term is held on the Provo Campus, the second on the Alpine Campus to the east of Mt. Timpanogos. This latter campus is located about fourteen miles from Provo at an elevation of nearly 7000 feet. Splendid roads lead to it, making it easily accessible to anyone wishing to drive there. Although a wide range of subject matter is taught on this campus it affords exceptionally fine conditions for the study of art and the natural sciences.

The summer session offers the opportunity to persons who are employed during the usual nine months of schooling to pursue graduate work, and to regular students the opportunity to complete requirements for graduation in a shorter time than four years.

FEES

College and Graduate Students:

Registration fee for full year if paid at beginning
of Autumn Quarter ----- \$70.00

Registration fee for less than the full year, \$25.00
the quarter.

Withdrawal deposit ----- \$1.00

Student Activity Fee ----- \$10.00

Secondary Training School:

Senior High School—10th, 11th, 12th
grades, the year ----- \$30.00

Activity Fee ----- \$7.50

Junior High School—7th, 8th, 9th grades -- \$15.00

Activity Fee ----- \$2.50

**Elementary Training School—1st to 6th grades, \$10.00
the year.**

Special Fees:

Late Registration—after first week of each quar-
ter ----- \$2.00

Elementary or Secondary Training ----- \$5.00

Special Students—eight credit hours or less, \$2.50
for each hour.

Special Examinations, for each hour ----- \$2.50

Graduation, ----- Degree \$10.00

Diploma \$ 5.00

Special fees are charged for private instruction in
Vocal and Instrumental Music, Dramatic Art, and
China Painting.

No laboratory fees are charged. Breakage depos-
its, however, are required in the departments of Chem-
istry and Mechanic Arts.

Courses of Instruction

ACCOUNTING AND BUSINESS ADMINISTRATION

Professors Hoyt, Eastmond, Poulson, Clark, Hansen, Nelson;
Associate Professors Miller, Boyle, Marshall; Assistant
Professor Jensen; Mr. Johnson.

Lower Division Courses

1. **Elementary Accounting**—Autumn. Daily (two consecutive hours) 2:30-4:30. Three hours credit. Hoyt, Clark, and Boyle.

Function of accounts; profit and loss statement; book of original entry; controlling accounts; accounts peculiar to single proprietorships, partnerships, and corporations.

2. **Elementary Accounting**—Winter. Daily, 2:30-4:30. Three hours credit.

Continuation of Course 1

3. **Elementary Accounting** — Spring. Daily, 2:30-4:30. Three hours credit.

Continuation of Course 2.

4. **Intermediate Accounting**—Autumn. Daily 10:30. Four hours credit. Clark.

Primarily a study of corporation accounting with special emphasis placed on problems of depreciation, bases or revaluation, inventorying, etc. Open to students who have had Accounting, 1, 2, and 3, or the equivalent.

5. **Intermediate Accounting**.—Winter. 10:30. Four hours credit. Clark.

Continuation of Course 4.

6 **Intermediate Accounting**. — Spring. 10:30 Four hours credit. Clark.

Continuation of Course 5.

14. Commercial Art.—Autumn. One or two hours credit. Jensen.

Show card writing; poster art; advertising arrangement. Psychology of line, form and color.

15. Commercial Art—Winter. One or two hours credit. Jensen.

Continuation of Course 14. Recitation and laboratory work.

16. Commercial Art.—Spring. One or two hours credit. Jensen.

Continuation of course 15. Recitation and laboratory work.

17, 18, 19. Process Illustrating.—Autumn, Winter, Spring. Two hours credit each quarter. Eastmond.

Methods of drawing and painting for illustration. Drawing of the various process methods for modern engraving. Practical illustration. Prerequisite Art 7 and 14.

22. Advertising—Autumn. M. W. F., 10:30. Three hours credit. Johnson.

An elementary course in advertising, designed to prepare the student for the advertising or merchandising field.

24. Salesmanship—Winter, M. W. F., 10:30. Three hours credit. Johnson.

Primarily a continuation of Course 22, dealing principally with salesmanship.

25. Problems in Advertising and Salesmanship—Spring, M. W. F., 10:30. Three hours credit. Johnson.

Primarily a continuation of Course 22.

27. Cooperative Marketing.—(See Rural Social Economics.) Nelson.

30. Commercial Geography.—(See Geography 30.) Hansen.

Upper Division Courses

***50. Elementary Cost Accounting**—Autumn, 9:30. Four hours credit. Hoyt.

The purpose of this course is to famaliarize the student with the fundamental principals of cost accounting, including a study of the various methods of accounting for overhead, labor, and material. A study is made of the application of uniform cost system, together with the requirements in the way of costs for various kinds of industries. Students are advised to take course 61 with this course. Courses 4, 5, and 6 in this department are prerequisites.

***51. Advanced Cost Accounting**—Winter. 9:30. Four hours credit. Hoyt.

This course is a continuation of course 50. Considerable individual field work will be required, together with designing of cost systems for various types of industries.

52*. Accounting Systems—Spring, 9:30. Four hours credit. Hoyt.

This course is designed to prepare the student for entering the field of industrial or efficiency engineering as installers of accounting systems or as executives for industrial concerns. Students will be required to do a large amount of individual field work and actually design cost accounting and bookkeeping systems suitable for manufacturers and business concerns. Course 51 is a prerequisite.

***53. Auditing and Federal Tax Procedure.**—Autumn, M. W. F., 2:30. Three hours credit. Hoyt.

This course has for its object the training of students who desire to become either public accountants or chief accountants for large corporations. Emphasis

will be laid on the principles and practices involved in public accounting work. Ample opportunity will be afforded for the student to get practical experience by auditing the books and federal tax returns of various business concerns of Utah. Courses 4, 5, and 6 are prerequisites.

***54. Auditing and Federal Tax Procedure—**Winter. M. W. F., 2:30. Three hours credit. Hoyt.
Continuation of course 53.

***55. Accounting Problems—**Spring, M. W. F., 2:30. Three hours credit. Hoyt.

This course is designed to familiarize students with the solution of advanced accounting problems. Emphasis will be laid on American Institute of Accountants' Examination problems. Course 53 and 54 prerequisites.

56. Mathematical Theory of Investments—Spring, M. W. F., 10:30. Three hours credit. Marshall.

This course deals with the application of Mathematics to general business problems, annuities, amortization, capitalization, building and loan associations, depreciation, sinking fund, and bond values. It is designed particularly for those who are intending to enter the field of accounting and business administration.

57. Retailing (Advanced Marketing)—Autumn, M. W. F., 9:30. Three hours credit. Boyle.

Deals with modern tendencies in retail department store merchandising. The importance of research as a fundamental principle in the new retailing will be stressed. Marketing 22, 23, and 24, or permission of the instructor, prerequisites.

58. Retailing—Winter, M. W. F., 9:30. Three hours credit. Boyle.

Deals with the various phases of internal depart-

ment store operation, such as the division of Merchandising, Publicity, Service, Finance, and Control. Principles of merchandising, planning and control will be presented, followed by current, actual problems. Marketing 22, 23, 24 and 57, or consent of instructor, prerequisites.

59. Advanced Marketing and Advertising—Spring, M. W. F., 9:30. Three hours credit. Boyle.

Deals with the application of actual cases in advertising, taken from the field of practical experience of a large number of firms. The executive of today must look upon advertising as one of the numerous tools available to him. The intelligent use of advertising as such will be stressed. Marketing 22, 23, 27, 28, or consent of instructor, prerequisites.

61. Industrial Management—Autumn, 8:30. Three hours credit. Boyle.

The purpose of this course is to familiarize students with the more recent trends in management policies and practices as used by executives. A general study is made of industrial problems, etc. A survey of local state industries, and possibilities for their expansion and development will be made.

62. Personnel Management.—Winter. 8:30. Three hours credit. Boyle.

A study of modern practices and development in the scientific adjustment of the relations of the employer and employee. This course places emphasis on the right human relations in industry in our complex machine age. Such problems as labor supply, labor turnover, promotion, policy, trade tests, job analysis, etc., are studied. The significance to management of scientific labor control will be stressed. Psychology 11, 68, or 64 is suggested as a prerequisite

63. Personnel Administration.—Spring, M. W. F., 8:30. Three hours credit. Boyle.

Deals with the necessity of research and original and creative thinking on the part of business managers today if they are to raise business to a science and management to a profession. Special attention will be given to analyze the fundamentals of business administration in an effort to help develop the professional status of business management. Psychology 11, 68, or 64, suggested as a prerequisite.

64. Business Psychology.—Autumn. M. W. F., 10:30. Three hours credit. Poulson.

A Brief Consideration of the contributions of scientific psychology in the fields of advertising, salesmanship, vocational selection, and personnel management. Prerequisite: Psychology 11 or its equivalent.

65. Experiments in Business Psychology.—Winter. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Two hours credit. Poulson. (See Psychology 65.)

74. Graphical and Statistical Methods.—Section One, Winter, 8:30. Hoyt. Section Two, Spring, 9:30. Eyring. (Section Two not given this year.)

The graphical representation of data, method of averages, measurement of variability, correlation probable error, etc.

***75. Business Statistics**—Spring, 8:30. M. W. F. Three hours credit. Hoyt. (Not given this year.)

This course deals with the fundamental principles of statistics and statistical indices and units. Students will be aided in making an investigation in some chosen field with a view of determining how far statistics may be used for foretelling general business conditions, as well as conditions which affect agricultural and other important industries. The object is to acquaint the students with the various primary statistics which are indices to future conditions.

81, 82, 83. Commercial Art and Illustrating—

Autumn, Winter, and Spring, M. W. F., 1:30. Two hours credit. Eastmond.

Poster designing and lettering. System of lettering. Sign writing in various mediums. Historical alphabets. Prerequisites, Accounting and Business Administration 1, 15, 16.

Graduate Courses

101-102-103. Research in Marketing, Personnel and Advertising—Hours and credit to be arranged to suit the individual needs of the student. Boyle.

These courses are designed to afford work of an advanced nature to those students who have had sufficient preparation, and who are desirous of specializing and gaining greater familiarity with marketing and advertising problems. Ample opportunity will be afforded students to get some practical experience by working out the problems of some representative business firms.

110-111-112. Research in Accounting—Hours and credit to be arranged to suit the individual needs of the student. Hoyt.

The purpose of this course is to afford students an opportunity to intensify in the field of accounting with a view of preparing for C. P. A. examinations. The work will be laid out and supervised in such a way that the student will be able to make the most out of his time and application.

AGRONOMY

Professors Martin and Nelson; Assistant Professor Hart.

Lower Division Courses

21. Root Crops—Autumn, M. W. F., 10:30. Laboratory period, 1:30-4:30 T. Four hours credit. Martin.

Sugar beets and potatoes receive special emphasis.

Seed selection, testing, discussion of experiment sta-
results, etc.

22. Cereal Crops.—Winter. M. W. F., 10:30.
Laboratory period, 1:30-4:30 M. Four hours credit.
Martin.

Selecting, grading, judging, and methods of pro-
duction are studied. Special emphasis will be placed
upon a review of the results obtained at the various ex-
periment stations throughout the world, the aim being
to gain, not only theoretical material but much prac-
tical information obtained at great cost by the scien-
tific investigators

23. Forage Crops.—Spring. Lectures M. W. F.
10:30 Laboratory period 1:30-4:30, M. Four hours
credit. Martin.

History, cultivation, experiment station results,
etc.

Upper Division Courses

51. Soil Physics and Geology.—Autumn, M. W.
F., 8:30. Laboratory period M. 1:30-4:30. Three
or four hours credit. Martin.

This course deals with the physical and chemical
composition of soils, soil formation processes, classifi-
cation of soils, dry farm, irrigation, and drainage prob-
lems.

52. Soil Fertility.—Winter. M. W. F., 8:30
Laboratory period W. 1:30-4:30 (prerequisite for
laboratory, Chemistry 6.) Three or four hours credit.
Martin.

This course deals especially with availability of
soil nutrients, alkali soils, soil organisms, farm manures,
green manures and crop rotation.

53. Soil Survey and Management.—Spring. M.,
9:30. Laboratory periods T. Th., 1:30-4:30. Three
hours credit. Martin.

A study of the meaning and methods of soil survey. Plane table work, soil judging, crop adaptations, and cultural practices on various soil types receive attention.

61. Farm Management.—Winter, 8:30. Three hours credit. Hart.

This course takes up the general consideration of farm management, types of farming, organization of farm business, soil management factors, sources of profit and loss, farm management surveys, etc. It is suggested that the following courses precede the courses in farm management: Economics 11, 12; Horticulture 1, 2; Animal Husbandry 2, 21; Agronomy 21, 22, and 23.

62. Farm Management.—Spring. 8:30. Three hours credit. Hart.

A continuation of course 61.

91. Western Land Problems.—Spring M. W. F. Three hours credit. Nelson.

(See Rural Social Economics 91.)

Graduate Courses

101. Soil Mycology.—Winter and Spring. T. 8:30 and Laboratory period W. F. 1:30-4:30. Three hours credit. Martin.

A morphologic physiologic and identification study of molds and actinomycetes. Special emphasis on soil forms and their relationship to organic matter decomposition.

102a. Soil Bacteriology.—Autumn M. W. F., 8:30. Three hours credit. Martin.

Prerequisites, Botany 21 and Agronomy 52. A lecture course designed to acquaint the student with bacteria in relation to soil fertility. A study will be made of ammonification, nitrification, nitrogen fixation, organic matter and mineral transformation, en-

ergy transformation, microbiological analysis, oxidation and reduction processes, influences of environmental conditions, etc.

102b. Soil Bacteriology.—Autumn. W. F., 1:30-4:30. Two hours credit. Martin.

A laboratory course to accompany course 102a. It will consist of a study of methods used in bacteriological investigation. Prerequisites, Botany 21 and Chemistry 6.

103. Seminar.—One hour credit for the year. Martin, Hart and Nelson.

Current agronomic literature, agricultural problems. Assigned topics will be discussed in the form of a round table discussion. Required of all seniors and graduate students in agronomy.

104. Research.—Seniors specializing in agronomy may elect research work from three to six hours. Time and credit to be arranged. Martin.

Open to properly qualified graduate students.

105. Advanced Laboratory in Soil.—Credit, time, and subject matter to be arranged. Martin.

Chemical, bacteriological and other special laboratory work.

107. Agricultural Literature.—A study of agronomic literature. Special problems and written reports. Time and credit to be arranged. Martin.

ANIMAL HUSBANDRY

Professor Cannon; Dr. Cullimore.

Lower Division Courses

1. Elementary Stock Judging.—Autumn. 1:30-4:30. M W. F. Three periods of three hours a week. Three hours credit.

This course consists of a study of the market

types and classes of live stock. Field trips will be made to farms of the county where practice in scoring and judging of animals will be done.

2. History of Breeds.—Autumn. 8:30. Five hours credit.

All the breeds of live stock will be studied. Special emphasis will be directed to the condition under which the breeds were formed, the men who did the work, and the adaptability of the breeds to western conditions.

3. Horse Husbandry.—Winter. (Not given this year.) Two hours credit.

This course is a consideration of the types and breeds, care, feed, and management of horses. Their origin, development, and adaptability to western conditions.

4. Beef Cattle Husbandry.—Winter. 1:30. Two hours credit.

This course is a consideration of the types and breeds, feed, care and management of beef cattle for western conditions. The student will be made familiar with beef animals by frequent field trips.

5. Sheep Husbandry.—Spring. 9:30. Two hours credit.

Types and breeds of sheep will be reviewed, followed by study of the management, care and feeding of sheep, both on the range and on the farm.

6. Swine Husbandry.—Winter. 8:30. Two hours credit.

Types, breeds and management of swine and their place on western farms. Emphasis will be put on their relation to dairy farming.

8. General Poultry.—Winter. 1:30. M. W F. Three hours credit.

A study of breeds, judging, breeding, incubation,

brooding, housing, feeding and marketing.

21. Elements of Dairying.—Spring. 10:30. Three hours credit.

A general survey of dairying and its relation to Utah agriculture; the secretion, composition and properties of milk; the conditions that affect quantity and quality of milk; the Babcock test, the farm separator, the lactometer, methods of creaming, care of milk on the farm, uses of milk and its products as human food.

Upper Division Courses

51. Animal Breeding.—Spring. 9:30. Three hours credit.

The aim of this course is to study the specific principles, practices, and methods involved in the breeding and development of domesticated animals. Such topics as Mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, records, etc., are considered. Prerequisite, Zoology 78, or Botany 80.

***52. Animal Nutrition.**—Autumn. 9:30. Four hours a week. Four hours credit.

A study of feeds, their compounds, and their digestion; the various uses to which each is put in the body. The best practices of feeding and the results of the different experiments will be investigated. Prerequisite, one year of chemistry.

***53. Animal Nutrition.**—Winter. 9:30. Four hours credit.

Continuation of course 52.

***65. Animal Physiology.**—Spring. M. W. F. Laboratory T. 1:30-4:30. Five hours credit. Cullimore. (See Zoology 65.)

71. Dairy Cattle Judging.—Spring. 1:30-4:30.

T. and Th. Two periods of three hours each. Two hours credit.

Stress will be laid on breeds. A comparative study of the score card requirements of each and comparative judging done. Trips will be made to the dairy farms of the county in order to handle typical animals of each breed. Prerequisite, Animal Husbandry 21.

***81. Milk Production and Secretion.—Winter.** 8:30. Three hours credit.

Evaluation of feeding standards. Methods of preparing feeds and feeding dairy cows. Principles of nutrition and their relation to milk secretion. Prerequisite, Animal Husbandry 21.

***91. Dairy Survey.—Winter.** Time to be arranged. One hour a week. One hour credit.

A study of current literature and experiments in dairy work. Each student will be expected to make reports on various subjects in this field which will be discussed by the class.

***92. Seminar.—Spring.** Time to be arranged. One period a week.

Current literature and problems in the field of Animal Husbandry will be studied and discussed. Required of all seniors who major in Animal Husbandry.

***98. Experimental Animal Nutrition.—Open to seniors and graduates only.** Prerequisite 5 hours in organic or bio-chemistry, and animal husbandry 52 and 53. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture. Laboratory time and credit to be arranged.

Graduate Course

110. Research in Nutrition.—Time and credit to be arranged.

Open to graduates only, major or minor. Designed for students in Animal Husbandry and Home Economics who desire to get acquainted with the problems of nutrition.

ART

Professor Eastmond, Assistant Professor Jensen,
Mr. Barkdull, Mrs. Gourley

Students majoring in art are required to take courses 1, 2, 3, 7, 8, 9, 21, 11, 12, 13, 38, 39, 40.

Lower Division Courses

1. Art Appreciation.—Autumn. M. W. 1:30.
Two hours credit. Eastmond.

Foundational principles of art introduced as a means of the appreciation of natural scenery. Travel lectures.

2. Art Appreciation.—Winter. M. W., 1:30.
Two hours credit. Eastmond.

Study and classification of the masterpieces of historic and modern architecture and sculpture. Illustrated lectures.

3. Art Appreciation.—Spring. M. W., 1:30.
Two hours credit. Eastmond.

Interpretation and classification of the masterpieces of historic and modern graphic art. Illustrated lectures.

7. Graphic Representation.—Autumn. 2:30.
Two hours credit. Barkdull.

Object drawing in various media. Emphasis upon objective tone study in charcoal. Emphasis upon mass media. Recitation and laboratory.

8. Graphic Representation.—Winter, 2:30. Two hours credit. Barkdull.

Continuation of Art 7. Objective composition. Cast drawing emphasized. Drawing from the costumed model. Recitations and laboratory work.

9. Graphic Representation.—Spring, 2:30. Two hours credit. Barkdull.

Continuation of Art 8. Study of perspective. Outdoor sketching in pencil and crayon media.

11. Water Color Painting.—Autumn, M. W. F., 10:30. Two hours credit. Eastmond.

Pictorial composition and color work. Recitation and laboratory work.

12. Water Color Painting.—Winter, M. W. F., 10:30. Eastmond.

Continuation of Art 11. Pictorial composition emphasized. Recitations and laboratory work.

13. Water Color Painting.—Spring. M. W. F. 10:30. Two hours credit. Eastmond.

Continuation of Art 12. Composition and outdoor sketching emphasized. Recitations and laboratory work.

14, 15, 16. Commercial Art.—Autumn, Winter, Spring. M. W. F., 1:30. One to two hours credit each quarter. Jensen.

Show card writing. Poster art; advertising arrangement. Recitations and laboratory work.

17, 18, 19. Process Illustration.—Autumn, Winter, Spring. T. Th., 10:30. Two hours credit each quarter. Eastmond.

Method of drawing and painting for illustration. Drawing for the various process methods of modern engraving. Practical illustration. Recitation and laboratory work. (Art 7 is prerequisite to 18.)

21. Theory and Practice of Design.—Autumn, Sec. 1 M. W. F., 1:30. Sec. 2 T. Th., 1:30. Sections will be arranged to correlate with the lines of work taken up in Art 25, 28, etc., and 32 p. Two hours credit. Barkdull.

Rhythm, balance, harmony, and other foundational principles. Three recitations and one studio hour.

25. Domestic Art Design.—Winter, T. Th., 1:30. Studio hour to be arranged. Two hours credit. Barkdull.

A study of the line, proportion, and color as applied to china painting and needle craft, etc. Original designs for decorative textile work. Applied design introduced. Prerequisite, Art 21.

26. Domestic Art Design.—Spring. T. Th., 1:30. Studio hour to be arranged. Two hours credit. Barkdull.

Continuation of Art 25. Original design for decorative applied work emphasized.

28. Home Planning and Applied Art.—Winter M. W. F., 1:30. Two hours credit. (Not given this year.)

House planning. Historic development of the house. Location and environment. Study of line, form, and color. Two recitations and one studio hour.

29. Home Planning and Applied Art.—Spring. M. W. F., 1:30. Two hours credit. (Not given this year.)

Interior decoration and home furnishing. Study of wall finishes and decoration. Floors, floor finishes and coverings. Natural and artificial lighting. Draperies, upholstering. Furniture, pictures and bric-a-brac. Study of color, texture, scales, structural unity and the proper use of ornament.

32p. Ceramic Art (China Painting).—Winter Time to be arranged. One or two hours credit. Special fee for private instruction. Prerequisite, Art 21. Mrs. Gourley.

Application of the various methods of original design in the decoration of appropriate wares.

33p. Ceramic Art.—Spring. Time to be arranged. One, or two hours credit. Special fee for private instruction. Prerequisite Art 28. Mrs. Gourley.
Continuation of Art 32. Emphasis on applied design.

38. Outdoor Sketching With Oil Colors.—Autumn. Daily, 4:30. Two hours credit. Barkdull.

Landscape study. Brush drawing of trees and other landscape elements. Representation of foreground, middle distance, and distance. Landscape composition. Study of the work of modern landscape composition.

39. Still Life Painting With Oil Colors.—Winter Daily, 4:30. Two hours credit. Barkdull.

Painting of flowers, fruits, pottery, and other still life objects. Pictorial composition emphasized.

40. Outdoor Sketching With Oil Colors.—Spring. Daily. 4:30. Two hours credit. Barkdull.

Continuation of 38 and 39.

41, 42, 43. Art For Elementary School Teachers.—Autumn, Winter, Spring, M. W. F. 3:30. One to three hours credit each quarter. Jensen.

Simple drawing and painting with various media. Paper cutting and construction, clay, crayons, water color, etc. Study of materials suitable for elementary applied design. Subject matter and standards of achievement for each grade. Objectives and methods emphasized.

Upper Division Courses

51. Advanced Illustration and Art Etching.—Autumn, 10:30. One to four hours credit. Prerequisite Art 7, 8, 9. Eastmond.

Pictorial composition especially adapted to the various phases of tone and color engraving. Methods and practice of art etching introduced.

52. Advanced Illustration and Art Etching.—Winter, 10:30. One to four hours credit. Eastmond.

Continuation of Art 52. Criticism periods and laboratory work.

53. Advanced Illustration and Art Etching.—Spring. 10:30. One to four hours credit. Eastmond.

Continuation of Art 52. Criticism periods and laboratory work.

54. Methods of Teaching Art.—Autumn and Winter. Th. 3:30. Two hours credit. Eastmond. (See Secondary Teaching 62.)

61, 62, 63. Commercial Art.—Autumn, Winter, Spring. M. W. F., 1:30. Two hours credit each quarter.

Poster designing and lettering. Systems of lettering. Sign writing in various media. Historic alphabets. Prerequisites Art 14, 15, 16.

64. Water Color Painting.—Autumn. M. W. F., 10:30. Two to four hours credit. Eastmond.

Objective landscape and still-life painting. Emphasis upon composition in line, mass and color. Outdoor sketching. Recitations and laboratory work.

65. Water Color Painting.—Winter. M. W. F., 10:30. Two to four hours credit. Eastmond.

Subjective and decorative landscape painting, emphasized; nature motif work. Color theory applied. Recitation and laboratory work.

66. Water Color Painting.—Spring. M. W. F., 10:30. Two to four hours credit. Eastmond.

Continuation of Art 65. Outdoor sketching. Individual expression emphasized.

***67. Oil Painting.**—Autumn. 3:30 or 4:30. Two to four hours credit. Emphasis upon objective landscape painting. Eastmond.

***68. Oil Painting.**—Winter 3:30 or 4:30. Two to five hours credit. Eastmond.

Painting from the costumed model.

***69. Oil Painting.**—Spring, 3:30 or 4:30. Two to five hours credit. Eastmond.

Emphasis upon landscape painting.

71, 72, 73. Decorative and Applied Painting.—Autumn, Winter, Spring. M. W. F., 2:30. Two to four hours credit each quarter. Eastmond.

Applied painting in oil and other media. Decorative composition correlated with interior decoration. Mural painting. Scenery painting, advanced poster designing. Recitations and laboratory work.

***74, 75, 76. Art Pageant Production.**—Autumn, Winter, Spring. T. Th. 4:30. Two hours credit each quarter. Eastmond.

Pageantry as art expression. Principles of pageant composition. Symbolic representation. Nature pantomime and tableau. Costume and property designing.

BOTANY

Professors Cottam, Martin; Assistant Professor Morris

Lower Division Courses

12. General Botany.—Sec. I, Autumn T. Th. 10:30. Sec. II, Winter, T. Th., 10:30; laboratory, Th. 1:30 to 4:30 Three hours credit. Cottam.

A general course which considers the fundamental principles of morphology, physiology, and reproduction of plants.

15. Field Biology.—Spring. T. Th., Sec. I, 7:30. Sec. II, 3:30. Two hour period. Two hours credit. Cottam.

A course in general nature study, especially intended for teachers of primary and secondary grades.

21. General Bacteriology.—Winter. M. W. F., 9:30. Three hours credit. Martin.

The course will consist of a study of the general characteristics and activities of microorganisms and their relations to man.

22. General Bacteriology.—Two hours credit. T. Th. 1:30-5:30. Martin.

Laboratory course in general bacteriology, designed to accompany Botany 21.

Upper Division Courses

***50. Algae and Fungi.**—Autumn. Two lectures and one three-hour laboratory period a week. Three hours credit. M. W. 9:30. Cottam.

A study of the morphology, life histories, classification and relation of the main groups of algae and fungi. Prerequisite, Botany 12.

***51. Liverworts, Mosses and Ferns.**—Winter. M. W., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Cottam.

A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Prerequisite, Botany 12.

***52. Seed Plants.**—Spring. M. W., 9:30. Two lectures and one three-hour laboratory period a week. Three hours credit. Cottam.

A study of the morphology, life histories, classifications and relationships of the higher plants. Prerequisite, Botany 12.

55. Spring Flora.—Spring. Wednesday, 2:30; laboratory M. F., 2:30 to 5:30. Three or five hours credit. Cottam.

This course will consider a brief survey of the plant kingdom as illustrated by local forms. Students will

learn to handle the botanical key and become independent in classifying plants. Prerequisite, Botany 12.

57. Plant Ecology.—Autumn, T. Th. 9:30, also one field trip a week. Three hours credit. Cottam.

This course will include a study of plants as they grow in nature. Their adaptations in relation to soil and climate will be a special consideration. Prerequisite, Botany 12.

***58. Geographic Ecology.**—Winter. M. W. F., 8:30. Three hours credit. Cottam.

A course devoted to a survey of the various floristic regions of the earth, with emphasis on North American problems. The course should be of special interest to students who expect to travel. Botany 57 desirable.

60. Plant Physiology.—Winter. T. Th. 9:30 laboratory W. F., 1:30 to 4:30. Four hours credit. Cottam.

A lecture and laboratory course in physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Botany 12 and Chemistry 1 and 2 or their equivalents.

***61. Plant Histology.**—Spring. Time to be arranged. Three hours credit. Cottam.

This is primarily a laboratory course in the technique of preparing, staining and mounting of sections for microscopical examination. Prerequisite, Botany 12.

***70. Diseases of Cultivated Plants.**—Autumn. T. Th., 8:30; laboratory M. F., 1:30 to 4:30. Four hours credit. Morris.

This course deals with the important diseases of local plants, their identification, cause and treatment. Prerequisites, Botany 12. (Not given this year.)

***75, 76. Seminar.—Autumn, Winter.** One hour credit for each course. Cottam.

80. Heredity and Evolution.—Spring. M. W. F., 10:30. Three hours credit. Cottam.

A consideration of the facts upon which the conception of evolution is based and of the theories advanced to explain it. A study of the laws of inheritance with their applications to plant and animal breeding and to the human race. Prerequisite, Botany 12 or Zoology 11.

***95. Advanced Systematic Botany.—**One to five hours credit per quarter depending on the quality and quantity of work done. Time to be arranged. Cottam.

A course designed for students who are prepared to do independent and intensive work on special plant groups.

Graduate Courses

101. Plant Cytology.—Winter. Two lectures and three two-hour laboratory periods. Four hours credit. Cottam.

A course that deals with the structure and life history of the plant cell. Prerequisites, Botany 50, 51, 52.

102. Plant Physiology.—Spring. Two lectures and two three-hour laboratory periods. Four hours credit. Cottam.

A course devoted to a survey of the constructive and destructive metabolic processes of the plant. Prerequisite, Botany 60.

103. Field Ecology.—Four or eight hours credit. Cottam.

Open only to advance students of botany. Work ordinarily to be done on the regular biological excursions conducted each summer.

104. Physiographic Ecology.—Autumn. Two lec-

tures and one field trip each week. Three hours credit. Cottam.

The origin and development of plant associations with their special application to our own regions will be considered in this course.

105. Research.—Three or five hours credit. Cottam.

A qualified student may register for research in any of the major fields of botany on special arrangement with the department.

106. Soil Mycology.—Spring. Laboratory period W. F., 1:30-4:30. Lecture T., 8:30. Three hours credit. Martin.

A morphologic, physiologic and identification study of molds and actinomycetes. Special emphasis on soil forms and relationship to organic matter decomposition.

107a. Soil Bacteriology.—Autumn, M. W. F., 8:30. Three hours credit. Martin.

Prerequisites, Botany 21 and Agronomy 52.

A lecture course designed to acquaint the student with bacteria in relation to soil fertility. A study will be made of ammonification, nitrification, nitrogen fixation, organic matter and mineral transformations, energy transformation, microbiological analysis, oxidation and reduction processes, influence of environmental conditions, etc.

107b. Soil Bacteriology.—Autumn, W. F., 1:30-4:30. Two hours credit. Martin.

A laboratory course to accompany course 107a. It will consist of a study of methods used in bacteriological investigations. Prerequisites, Botany 21 and Chemistry 6.

CHEMISTRY

Professors Maw and Cannon, Mr. Greenwood, Mr.

Peterson, Mr. Bryner, Mr. Jorgensen.

Students majoring in chemistry are required to complete the following courses in chemistry. Chemistry 4, 5, 6, 71, 72, 73, 74, 81, 82, 83, 84. Those intending to become high school teachers should take Chemistry 99.

1. **A Survey Course in Chemistry.**—Autumn, Winter and Spring. Three recitations, M. W. F., 10:30 and one three hour laboratory period Tuesday or Thursday, 2:30 to 5:30. Four hours credit. Peterson.

Elementary General Chemistry intended for students not majoring in Chemistry, but desiring a knowledge of the subject for its cultural and practical value.

2. **Elementary General Chemistry.**—Winter, M. W. F., 1:30 and two three-hour laboratory periods; T. and Th., 2:30 to 5:30. Five hours credit. Greenwood.

This course is a continuation of Chemistry 1, with emphasis placed on the principles of Chemistry and their application.

4. **General Chemistry.**—Autumn and Winter 8:30. Five hours credit.

A discussion of the principles of chemistry in connection with the non-metals. Open only to those students who have had Chemistry 1 or high school chemistry. Three recitations and two laboratory periods. Maw and Jorgensen.

5. **General Chemistry.**—Winter and Spring 8:30. Five hours credit.

Continuation of Chemistry 4. Course includes the chemistry of the metals and qualitative analysis. Maw and Jorgensen.

6. General Chemistry.—Spring 8:30.

Continuation of Chemistry 5. Includes some elementary quantitative analysis and discussion of the principles of chemistry. Maw and Jorgensen.

7. Elementary Organic Chemistry.—Four recitations and one laboratory period. Spring 1:30. Five hours credit.

A brief discussion of carbon compounds. For students of home economics. Prerequisite Chemistry 2 or 4. Greenwood.

Upper Division Courses

51. Principles of Inorganic Chemistry.—Spring, 9:30. Two hours credit.

Discussion of chemical theories and important generalizations in the field of inorganic chemistry.

52. Inorganic Chemistry.—Spring. Laboratory course to accompany Chemistry 51. Two periods per week. Two hours credit.

54. Advanced Qualitative Analysis.—Prerequisite Chemistry 5. Two hours credit.

55. Training in Laboratory Methods.—Autumn, Winter or Spring. Tuesday and Thursday, 2:30 to 5:30. Two hours credit. Peterson.

Consideration will be given to pedagogical principles and their application to laboratory teaching. Conferences, readings and reports will form an essential part of this course. Training in conducting laboratory classes, making demonstrations and in carrying out the technique will be given.

***56. Laboratory Technique.**—Any quarter. One or two hours credit.

This course aims to give training in glass blowing, and in setting up demonstration apparatus. Bryner.

***57. Qualitative Analysis of the Rare elements.**—

Autumn, Winter or Spring. Two hours credit. Laboratory periods to be arranged.

61. Quantitative Analysis.—Autumn, Winter or Spring. Chemical Theory and chemical principles are applied to problems of quantitative chemical analysis, Laboratory periods to be arranged. Five hours credit. Introductory Gravimetric and Volumetric analysis.

62. Quantitative Analysis.—Autumn, Winter or Spring. 2 to 4 hours credit. Continuation of Chemistry 61. Written discussions of chemical procedure will be prepared by the student.

***63. Advanced Quantitative Analysis.**—Autumn, Winter or Spring. Two to ten hours credit, according to the amount of work done. Complete analysis of typical minerals will be carried out.

***66. Special Methods in Quantitative Analysis.**—The following courses may be taken any quarter, the time to be arranged:

- a. **Water Analysis.** Two hours credit.
- b. **Food Analysis.** Two hours credit.
- c. **Electrolytic Analysis.** Two hours credit.
- d. **Steel Analysis.** Three hours credit.
- e. **Fire Assaying.** Two hours credit.

71. Organic Chemistry.—Autumn. 9:30 M. W. F. Three hours credit.

Introduction to the study of the carbon compounds. Maw and Greenwood.

72. Organic Chemistry.—Autumn. Two hours credit. Laboratory course to accompany 71. Maw and Greenwood.

73. Organic Chemistry.—Winter. M. W. F. 9:30. Three hours credit. Continuation of 71 emphasizing the aromatic compounds. Maw and Greenwood.

74. Organic Chemistry.—Winter. Two hours

credit. Laboratory course to accompany 73. Maw and Greenwood.

75. Organic Chemistry.—Spring. Three hours credit. Continuation of 73. This course emphasizes special topics in organic chemistry. Maw and Greenwood.

76. Organic Chemistry.—Spring. Two hours credit. Laboratory course to accompany 75.

***78. Biochemistry.**—Spring. 8:30. Three hours credit.

Discussion of the chemistry of nutrition, digestion, absorption, assimilation and excretion in the animal body. Cannon.

***79. Biochemistry.**—Spring. Tuesday and Thursday, 2:30 to 5:30. Two hours credit
Laboratory course to accompany 78.

***81. Biochemistry.**—Autumn. Laboratory course. Two hours credit.

***82. General Physical Chemistry.**—Winter. 1:30 Tuesday and Thursday. Two hours credit.

This course in connection with 83, 84, and 85 takes up important phases of elementary modern chemical theory.

***83. Physical Chemistry.**—Winter. Two laboratory periods per week. Two hours credit.
Laboratory course to accompany 82.

***84. General Physical Chemistry.**—Spring. 1:30. Tuesday and Thursday. Two hours credit.
Continuation of 82.

***85. General Physical Chemistry.**—Spring. Two laboratory periods per week. Two hours credit. Laboratory course to accompany 84.

***90. Seminar.**—Autumn. Monday, 4:30. One hour credit.

***91. Seminar.**—Winter. Monday, 4:30. One hour credit.

***92. Seminar.**—Spring. Monday, 4:30. One hour credit.

95. Chemical Literature and Reference Work.—One hour credit each quarter. Winter and Spring. Lectures, Reports and reference work.

Graduate Courses

101. Chemistry of Colloids.—Spring. Two hours credit.

Fundamental properties of substances in the colloid state.

103. Advanced Organic Chemistry.—Three hours credit. Any quarter. Organic Preparations.

104. Qualitative Organic Analysis.—Winter. Two hours credit.

Two laboratory periods. Problems and assigned readings. Practice in identifying organic compounds, by analysis, physical properties and the preparation of derivatives.

105. Quantitative Organic Analysis.—Spring. Two hours credit.

Quantitative analysis of organic compounds. Combustion method for carbon, Hydrogen and Nitrogen. Prerequisites, Chemistry 61, 71, and 72.

106. Studies in the History of Chemistry.—Autumn, Winter and Spring. One hour credit each quarter.

109. Advanced Inorganic Chemistry.—Autumn, Winter, and Spring. Hours and credit to be arranged. Special topics in inorganic chemistry.

110. Research.—Time and credit to be arranged. Independent work in investigations of problems in Physical, Inorganic and Analytical Chemistry.

ECONOMICS

Professors Swenson, Hoyt; Associate Professor Boyle; Assistant Professor Hart, Mr. Johnson

Lower Division Courses

11. Introduction to Economics.—Autumn. Sec. 1, 8:30, Johnson; Sec 2, 10:30, Boyle; Sec. 3, 1:30, ——. Three hours credit.

A general survey of industrial society, its structure, its institutions, its operation. Historical background of the rise of modern capitalistic industry. A study of underlying assumptions of our present regime, such as private property, competition and the logical control of industrial activity.

12. Principles of Economics.—Winter. Sec. 1, 8:30, Johnson; Sec. 2, 10:30, Boyle; Sec. 3, 1:30, ——. Three hours credit.

This course is an introductory study of the underlying principles of economics. Special attention is given to the production, exchange, distribution and consumption of wealth. An attempt is made to give the student an approach to the economic issues of the day with an intelligent appreciation of the factors which make for sound public policy. Prerequisite, course 11.

13. Current Economic Problems.—Spring. Sec. 1, 8:30, Johnson; Sec 2, 10:30, Boyle; Sec. 3, 1:30, ——. Three hours credit.

This course will consider several of the important and pressing problems of present day industry and make an examination and criticism of the economic theory underlying them. Prerequisite, course 12.

14. Economic and Financial History of the United States.—Autumn. 9:30. Three hours credit. Johnson. (Required of all majoring in Economics.)

The economic development of the United States

through the colonial era, the period of industrial revolution, and the westward movement to the present, with special emphasis upon economic integration and industrial organization.

22. Advertising.—(See Accounting and Business Administration 22.)

24. Salesmanship.—(See Accounting and Business Administration 24.)

25. Problems in Advertising and Salesmanship.—(See Accounting and Business Administration 25.)

Upper Division Courses

56. Transportation Problems.—Spring. 2 : 3 0. Four hours credit. (Not given this year.)

This course deals with the growth and development of railway transportation in the United States; the organization, construction and management of modern systems; the theory of rates; problems of competition; development of public regulation and railway legislation in the United States; general scope and importance of the railway problem at the present time.

57. Transportation.—Spring, 2:30. Three hours credit. (Not given this year.)

Continuation of course 57, with emphasis upon the larger economic and legal aspects of rates, service and management of railroads. Discussion of the problems of consolidation, reorganizations, etc., implied in recent legislation and current press discussion of railroads. Prerequisite, course 57.

***59. Labor Problems.**—Winter. 9:30. Three hours credit. Johnson.

This course deals with the wage system, domestic industry, the factory system. The rise and growth of labor organizations. Special problems in labor and industrial unions, with a study of typical organizations. Collective bargaining, boycott, lockout, woman and

child labor. The effects of immigration upon the American laborer. The mediation and arbitration of industrial disputes.

***60. Labor Legislation.**—Spring. 9:30. Three hours credit. (Not given this year.)

The state in relation to labor. An intensive study of the legal aspects of the labor movement. Minimum wages, social insurance, regulation of hours, working conditions, etc. Foreign experiments in the field of government regulation and control.

61. Industrial Management.—(See Accounting and Business Administration 61.)

62 and 63. Personal Management.—(See Accounting and Business Administration 62.)

67. Public Finance.—Spring. 8:30. Three hours credit. Swenson.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

75. Foreign Exchange.—Spring. Three hours credit. Swenson. (Not given this year.)

This course considers briefly the inter-bank relations and domestic exchange. The main emphasis will be given to bills of exchange, import and export creditors, gold movements, etc.

Graduate Courses

101. Advanced Economics.—Autumn. 8:30. Three hours credit. Prerequisite, Economics 11, 12, 13. Swenson.

Advanced course in economic theory with application to present day economic problems. Open to seniors and graduates.

102. Advanced Economics.—Winter Three hours credit. Swenson.

Continuation of 101.

110. Research in Economics.—Hours and credit to be arranged to suit the individual needs of the student. Hoyt.

This course is designed to afford special work of an advanced nature to those students who have sufficient preparation, and who are desirous of gaining a greater familiarity with some particular phase of economics.

EDUCATIONAL ADMINISTRATION

Professors Nuttall, Woodward, A. N. Merrill, Sudweeks:

Assistant Professors Brown, Peterson, Jensen.

The following courses in other departments may be used to fill a major in Educational Administration: Psychology 72, 77, 78; Secondary Teaching 52, 69, 91, 101; Philosophy of Education 86, 89, 92, 145; Elementary Teaching 60, 61, 62, 63.

Lower Division Courses

5. School Organization and Administration.—Same as Elementary Teaching 5.

46. Rural Education.—Spring. Three hours credit. A. N. Merrill.

This course deals with rural and educational problems which confront the teachers in the rural communities of the intermountain states.

Upper Division Courses

***69. Measurements of High School Teaching.**—Same as Secondary Teaching 69.

73. General Educational Administration.—Autumn. 1:30. Four hours credit. Nuttall.

A study of the present organization of state, city, county and rural school systems will be made. The powers and duties of various school officials together with an outline of the general problems involved in administering a school system, will form the detailed content of the course.

***75. Educational Supervision.—Spring. 1:30.**
Four hours credit.

The course will deal with the general purposes of supervision. The relation of supervisors to teachers and administrative officers; the methods of stimulating, criticizing, helping and rating teachers. The course is planned for those preparing to do general primary or grammar grade supervision or to supervise in any special subject such as music or art, or to become principals, and is open to seniors and graduate students.

79. Statistical Methods.—Autumn. 2:30. Three hours credit. Sudweeks.

This course deals with the principles and methods underlying the compilation and interpretation of educational statistics. Students who have had Mathematics 13, should not take this course without consulting the instructor.

80. Standard Tests and Testing.—Winter. 8:30. Three hours credit. Sudweeks. Educational Administration 81 and this course are designed to cover the field of tests and examinations in Elementary and High schools. A study of standard tests available for all grades. Each student will carry out a complete testing project in the University Training School from the choice of problem to the planning of remedial teaching.

81. Old and New Type Examinations.—Winter. 8:30. Two hours credit. Sudweeks.

The place of the old type examination and its improvement. The uses and forms of the new type examination. With Educational Administration 80, covering the field of tests and examinations in elementary and high schools.

Graduate Courses

101. General Educational Administration.—Autumn. 1:30. Three hours credit. Nuttall.

This course parallels Educational Administration

73 and is given for graduate students who have not had a course in general educational administration. Such a course is considered a prerequisite for all further graduate work in administration.

102. Statistical Methods.—Autumn. 2:30. Three hours credit. Sudweeks.

A course designed for graduate students preparing to do research work. Required of all candidates for Masters Degree in Education unless equivalent work has been done in undergraduate work.

111. Public School Business Administration.—Winter. 1:30. Four hours credit. Nuttall.

This course will include a special study of financial problems of school administration. It will involve a comparative study of systems of raising and disbursing revenue, of particular problems to be met by the superintendent and boards of education. A course in general educational administration is prescribed as a prerequisite.

112. Advanced Educational Administration.—Spring. 2:30. Four hours credit. Nuttall.

This course deals with the selection, placing, improving and rating of the teaching corps; with public relations in public school administration and with methods of child accounting.

147. Research Work.—Students may be given from two to four hours credit for presenting a satisfactory thesis on an assigned topic, embodying the results of independent work. The consent of the instructor of the course is necessary before registering. Nuttall and Sudweeks.

148. Thesis Work in School Administration.—From four to eight hours credit, depending upon the problems. Nuttall, Woodward, Merrill, Sudweeks.

The work of this course is largely individual research under the direction of the professor in charge.

The material and the problems studied will be in connection with the master's thesis.

150. Graduate Seminar in Education.—Each alternate Monday, 7:30 to 9:30 p. m.

ELEMENTARY TEACHING

Professors Nuttall, A. N. Merrill, Eastmond; Associate Professors Larsen, Sudweeks; Assistant Professors Ollorton, Dusenberry, Peterson, Brown, Boyle, Lambert, Jensen and
Faculty of Elementary Training School

The following courses in other departments may be taken for credit in the department of Elementary Teaching: Art 41, 42, 43, Dramatic Art 63 (Normal Reading,) Theory of Music 10 and 11 (Methods of Teaching Music,) Physical Education 21, 122 (Physical Education for Grade Teachers,) Psychology 21, 74, 75; Educational Administration 75, 80.

Lower Division Courses

1. Principles of Education.—Autumn, Winter or Spring. Four hours credit. Sudweeks.

As an introduction to the study of Philosophy of Education and a basis for a study of teaching, this course is required of all students qualifying for elementary teaching. The course deals with such topics as values in education, aims of teaching, educational institutions in their relation to the individual, the place and function of the teacher, the basic principles of methods and the principles to be applied in educational measurements.

5. School Organization and Administration.—Autumn, Winter, Spring. 9:30. M. W. F. Three hours credit. Lambert.

This course will acquaint beginning teachers with the school as an institution in its relation to the state and the community and will introduce in an elementary but practical way the problems of school organization,

including such problems as the place of the superintendent, supervisors and principal, teachers assignment, classification of pupils, attendance, records, reports. The school law will be studied. The course meets the state certificate requirement of school organization and administration.

6. Methods of Teaching in Primary Grades.—Winter. 10:30. Four times a week. Three hours credit. Brown.

This course deals with the fundamental methods used in lower primary teaching. It must be taken paralleling course 16, Elementary Training. A careful study of the method of teaching reading, language, and spelling in the first two grades will be made.

7. Methods of Teaching in Primary Grades.—Winter. 10:30. Four times a week. Three hours credit. Brown.

A continuation of course 6. Methods of teaching handwriting, arithmetic, geography, and history will be considered. This will also be supplemented by demonstration in the Training School.

8. Methods of Teaching in Intermediate Grades.—Autumn. 10:30 Four times a week. Three hours credit. Peterson.

This course should be taken parallel with the course in elementary training by students who expect to teach in the intermediate grades. Careful consideration will be given to the special methods involved in the teaching of the following subjects: Spelling, handwriting, reading and English.

9. Methods of Teaching in Intermediate Grades.—Winter. 10:30. Four times a week. Three hours credit. Peterson.

A continuation of course 8. Methods of teaching history, arithmetic, community civics, elementary science and geography will receive consideration.

10. Methods of Teaching Upper Grades.—Autumn. 10:30. Four times a week. Three hours credit. Ollorton.

This course must precede or parallel training in the upper grades. Emphasis will be placed on the types of class room exercises suited to children of these grades. Special methods in penmanship, spelling, etc., will be studied during the first part of the course.

11. Methods of Teaching Upper Grades.—Winter 10:30. Four times a week. Three hour credit. Ollorton.

A study of the special methods of arithmetic, science, and social science subjects will be made. A continuation of course 10.

12. Elementary School Curriculum.—Autumn. Four hours credit. Brown, Lambert, Jensen. Sections 1 and 2 at 8:30, Sections 3 and 4 at 2:30.

This course is given in response to the general demand for a greater mastery of subject matter by prospective teachers. The course will include a study of the state and city courses of study; a study of the sources of information required by these courses; actual finding and recording of special information not readily obtainable in text books; organization of subject matter by grades so that it is accessible for teaching. The subjects in the curriculum of the six grades of the elementary school will each receive detailed consideration.

13. Elementary School Curriculum.—Winter. Four hours credit. Brown, Lambert, and Jensen.
Continuation of course 12.

Note: Courses 12 and 13 meet the State requirement for a study of the Utah Course of Study.

16. Elementary Training.—Autumn, Winter and Spring. Daily from 1:30 to 3:30. Twelve hours credit. Ollorton, Brown, Peterson.

This is essentially a laboratory course affording opportunity for practice teachers to apply the principles of teaching developed in the theoretical courses. Preliminary to actual teaching, about three weeks will be devoted to the study of the problems in preparing for teaching work in the classroom.

During this period students will be assigned to a grade in which they will participate with the regular teacher in the work of the class. They will be permitted to assume responsibility as rapidly as possible. Students will actually teach not fewer than one hundred hours. This course is open to sophomore students only. Elementary Teaching 1, Psychology 21, Elementary Teaching 12 and 13 or equivalents are prerequisites for this course. Should the enrollment exceed the capacity of the training school a selection may be made on the basis of tests and the record in the prerequisite courses. A special fee of \$5.00 is charged for training.

20. Story Telling and Children's Literature.—Autumn, Winter or Spring. 8:30. Two hours credit. Dusenberry.

A study from the literary and educational points of view of the best literature available for children. This should involve some familiarity with the basic folk tales from which the standard children's stories, rhymes and poems have been largely derived, and practical exercises in the oral presentation of this material.

21. Juvenile Literature.—Winter or Spring. 9:30. Two hours credit. Dusenberry.

A study of literature will be made in a sufficiently detailed way to give a basis for selection, appreciation, and presentation of the best and most suitable material for the elementary school. Graded lists of various types of stories and poems will be completed. This course is a continuation of 20.

22. Hygiene and Sanitation.—(Health Educa-

tion)—Winter and Spring. M. W. F., 10:30. Three hours credit.

Same as Zoology 20. Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

Upper Division Courses

60. Technique of Teaching.—Winter. 2:30. Three hours credit. Nuttall.

This course deals with certain of the recent developments in the field of methods and the psychological experiments which have lead to the revision of class-room procedure. Emphasis will be given to the new methods which have grown out of the use of standard tests, development of problem teaching, and the guidance methods in teaching made necessary by the definite knowledge of individual differences. Topics, discussed will be illustrated by work in the training school. Designed for students who are qualifying for supervision work in any field.

61. First Grade Education.—Spring. 9:30. Three hours credit. Brown.

Problems of early elementary education. A study of the subject matter and concrete materials which should form the basis of the work with young children. Language, nature study, reading, pre-primer and primer, spelling and beginning writing will be the major topics considered. Classroom observation required. Designed for students in the training school who show special ability in teaching the first grade and for experienced teachers preparing for supervisory work.

62. Measurements of Elementary Education.—

Autumn and Spring. 8:30. Three hours credit. Ollerton.

A practical course in selecting and using standard tests in elementary school subjects. Practice will be afforded in giving and scoring tests in the grades of the Training School and interpreting results.

63. Classroom Management.—Winter and Spring. 8:30. Two hours credit. Peterson.

The aim of the course is conservation of and obtaining the maximum educational value of every element in class-room organization. Such topics as the following will receive attention: School programs, seating of pupils, heating and ventilating school rooms; care and use of supplies and books; school room cleanliness, school room decoration; definite disciplinary problems; school records, reports, etc.; value of good management as a condition for good teaching.

DRAFTING

Assistant Professor Snell

While courses are listed according to quarters, any course may be taken any quarter, provided prerequisites have been met.

Lower Division Courses

4. Engineering Drawing.—Autumn. Daily, 9:30 or 10:30. Two hours credit.

The care and use of instruments, lettering and applied geometry.

5. Engineering Drawing.—Winter. Daily, 9:30 or 10:30. Two hours credit.

Orthographic projection and pictorial representation. Prerequisite, Drafting 4.

6. Engineering Drawing.—Spring. Daily, 9:30 or 10:30. Two hours credit.

Developed surfaces and intersections. Prerequisite, Drafting 5.

7. Elementary Machine Design.—Autumn. Daily 9:30 or 10:30. Two hours credit.

Drawing of machine fastenings, such as bolts, screws, rivets, keys, etc. Dimensionings, working drawings and technical sketching. Detail and blue-prints. Prerequisite. Drafting 4, 5, and 6.

8. Elementary Machine Design.—Winter. Daily 9:30 or 10:30. Two hours credit.

Continuation of 7.

9. Elementary Machine Design.—Spring. Daily 9:30 or 10:30. Two hours credit.

Continuation of 8.

10. Instrumental Perspective.—Autumn. Daily 9:30 or 10:30. Two hours credit.

The theory and application of methods of drawing architectural perspectives. Prerequisites, Drafting 4, 5, and 6, or equivalent.

11. Instrumental Perspective.—Winter. Daily 9:30 or 10:30. Two hours credit.

Continuation of 10.

12. Instrumental Perspective.—Spring. Daily 9:30 or 10:30. Two hours credit.

Continuation of 11.

13. Architectural Drawing.—Autumn. Daily, 9:30 or 10:30. Two hours credit.

Drawing of plans, elevations, and details of different types of buildings. Tracing and blue-printing. Prerequisite, Drafting 4, 5, and 6, or equivalent.

14. Architectural Drawing.—Winter. Daily 9:30 or 10:30. Two hours credit.

Continuation of 13.

15. Architectural Drawing.—Spring. Daily 9:30 or 10:30 Two hours credit.

Continuation of 14.

19. Topographical Drawing.—Winter Daily, 9:30 or 10:30. Two hours credit.

Practical elementary work in topographical drawing. Mapping and plotting from field notes. Prerequisite, Drafting 4, 5 and 6 or 1, 2, and 3.

20. Engineering Drawing.—Autumn. Daily 9:30 or 10:30. Two hours credit.

Working drawings—architectural and structural Tracing, blue-printing, and specifications. Prerequisite, Drafting 4, 5 and 6

Upper Division Courses

51. Original Architectural Design.—Autumn. Daily, 9:30 or 10:30. Two hours credit.

Designing and drawing of a set of plans, with tracings, blue-prints, specifications, etc., complete for actual construction. A complete set of plans each quarter. Prerequisites, Drafting 13, 14, and 15.

52. Original Architectural Design.—Winter. Daily 9:30 or 10:30. Three hours credit.

Continuation of 51.

53. Original Architectural Design.—Spring. Daily 9:30 or 10:30 Three hours credit.

Continuation of 52.

54. Descriptive Geometry.—Autumn. Daily. 9:30 or 10:30. Two hours credit. (Not given this year).

This course includes a study of the principles relating to the point, line plane, cylinder, cone and double-curved surfaces of revolution, with application to practical problems. Prerequisites, Mathematics 11 and Drafting 4, 5 and 6.

55. Descriptive Geometry.—Winter. Daily 9:30

or 10:30. Two hours credit. (Not given this year.)
Continuation of 54.

56. Graphics.—Spring. Daily. 9:30 or 10:30.
Two hours credit. (Not given this year.)

Roof and bridge trusses. Direction and amount of forces determined graphically. Prerequisites, Drafting 51, 52 and 53.

ENGLISH

Professors Osmond, Reynolds, Holt, Christensen; Associate Professor Jensen; Assistant Professors Merrill, Rowe; Mrs. Roberts, Mrs. Carroll, Miss Egbert

Requirements for the Degree of Bachelor of Arts

Students who elect their major in the Department of English will be required to complete thirty hours of work in English in addition to courses 1, 2, and 3, and must elect four of the five period courses; provided, however, that the following substitutions may be made: Course 60 for 72; course 90 for 74; course 91 for 75.

The following additional work is required; three hours in advanced English composition; course 81 or 95; one of the following group of courses: 83, 84, 85, and 86; and course 82. Twenty-four hours in one or more foreign languages is required. A course in English history, unless taken in high school, is strongly recommended. Courses 20, 21, 22 are not open to students who elect their major in English.

Requirements for the Degree of Master of Arts

Candidates for the Degree of Master of Arts in English must have the equivalent of the requirements for the Degree of Bachelor of Arts in English and in addition to other graduate courses in English must have two courses in Shakespeare, the course in Old English, and the course in Chaucer.

Lower Division Courses

1. **Rhetoric and Composition.**—Autumn. Sec. 1,

8:30, Jensen; Sec. 2, 8:30, Christensen; Sec. 3, 8:30, Rowe; Sec. 4, 8:30, Egbert; Sec. 5, (Business English), 8:30, Roberts; Sec. 6 (Business English), 8:30, Carroll; Sec. 7, 9:30, Egbert; Sec. 8, 9:30, Rowe; Sec. 9, 10:30, Jensen; Sec. 10, 10:30, Egbert; Sec. 11, 10:30, Carroll; Sec. 12 (Business English), 10:30, Holt; Sec. 13, 2:30, Carroll.

Themes, exercises, conferences, and prescribed reading.

2. Rhetoric and Composition.—Winter. Sections and time the same as in course 1. Three hours credit. Continuation of course 1.

3. Rhetoric and Composition.—Spring. Sections and time the same as in course 2. Three hours credit.

4. Advanced Rhetoric and Composition.—Autumn, 10:30. Four hours credit. Osmond.

Long themes, lectures, conferences, and required reading. Prerequisites, English 1, 2, and 3.

5. Newswriting.—Autumn, 10:30.

A course in news gathering and news writing. The campus and city will be the field of activity. Prerequisites, English 1, 2, 3. (Not given this year.)

6. Argument and Debate.—Autumn, 10:30. Four hours credit. Rowe.

A study of the principles of argument, followed by a series of debates on current questions. Prerequisites English 1, 2, and 3.

11. Advanced English Grammar.—Winter, 1:30. Four hours credit. Egbert. Spring, 1:30. Four hours credit. Egbert.

Prerequisites, English 1, 2, and 3.

15. Early American Writers.—Autumn, 1:30. Two hours credit. Egbert.

A survey of American literature from Captain John Smith to about 1865.

16. Later American Writers.—Winter, 1:30. Two hours credit. Carroll.

A survey of American literature from about 1865 to the present time.

17. American Poets.—Autumn, 1:30. Two hours credit. Osmond.

A study of the principal American poets.

18. American Novelists.—Winter, 1:30. Two hours credit. Osmond. (Not given this year.)

A study of the principal American novelists.

19. American Short Story Writers.—Spring. Sec. 1, 1:30. Sec. 2, 2:30. Two hours credit. Osmond.

A study of the principal American short-story writers.

20. Masterpieces of English Literature.—Autumn, Sec. 1, 8:30, Egbert; Sec. 2, 9:30, Carroll. Two hours credit.

A study of the principal English Masterpieces.

21. Masterpieces of English Literature.—Winter, Sec. 1, 8:30, Egbert; Sec. 2, 9:30. Carroll. Two hours credit.

A continuation of course 20.

22. Masterpieces of English Literature.—Spring, Sec. 1, 8:30, Egbert; Sec. 2, 9:30. Carroll. Two hours credit.

Continuation of course 21.

23. Contemporary British Literature.—Spring, 10:30. Four hours credit. Rowe.

24. Shakespeare.—Autumn, 9:30. Four hours credit. Osmond.

This is an extensive course in the study of Shakespeare. The students will be required to read the principal plays.

Upper Division Courses

50. Editorial Writing.—Winter, 10:30. Three hours credit. Merrill.

Editorials of the best magazines and newspapers will be studied. Practice in writing the editorial will be a feature of the class work. (Not given this year.)

51. Feature Writing.—Spring, 10:30. Three hours credit. Merrill.

Newspaper feature articles will be studied and written. Prerequisites, English 1, 2, and 3, or the consent of the instructor. (Not given this year.)

52. Magazine Writing.—Autumn. Time to be arranged. Two hours credit. Merrill.

This is a course in practical writing for newspapers and magazines. (Not given this year.)

53. Book Reviewing.—Autumn 10:30 Two hours credit. Jensen.

A study of modern book reviewing and practice in writing.

57. Short-Story Writing.—Winter, 1:30. Four hours credit. Osmond.

In this course the greater part of the student's time is given to practice in writing short-stories. Prerequisites, English 1, 2, and 3.

59. Poetry.—1:30. Two hours credit. Osmond.

A practical course in the various form of verse-writing. (Not given this year.)

***60. English Drama to 1642.**—Spring, 9:30. Four hours credit. Christensen.

The beginning and development of English drama, not including Shakespeare, to the closing of the theaters.

***61. Modern European Drama.**—Autumn, M. F. 2:30. Two hours credit. Reynolds.
(Continental.)

***62. Modern European Drama.**—Winter, M. F. 2:30 Two hours credit. Reynolds.
(British.)

***63. Modern Drama.**—Spring, M. F., 2:30. Two hours credit. Reynolds.
(American).

***64. Philology.**—Winter, 10:30. Four hours credit. Osmond.

The history and development of words and their ways and the evolution of English grammar.

Period Courses, Four Hours Each

***71. Mediaeval Literature.** — Autumn, 9:30. Christensen.

***72. English Literature from 1500-1660.**—Winter, 9:30. Christensen.

***73. English Literature from 1660-1780.**—Spring 9:30 Osmond.

***74. English Literature from 1780-1832.**—Winter, 10:30. Rowe.

***75. English Literature from 1832-1900.**—Spring M. Th. F. 10:30. Reynolds.

Individual Author Courses

***81. Chaucer.**—Winter, 10:30. Four hours credit. Christensen.

***82. Shakespeare.**—Winter, 9:30. Four hours credit. Osmond.

An intensive and critical study of the principal plays.

***83. Milton.**—Winter, 2:30. Three hours credit. Christensen.

A study of the author's poetry and prose.

***84. Wordsworth.**—Spring, 2:30 Three hours credit. Jensen.

The author's theory of poetry and his principal poems will be studied.

***85.—Tennyson.**—Autumn, M. Th. F., 10:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

***86. Browning.**—Winter, M. Th. F. 10:30. Three hours credit. Reynolds.

A study of the author's principal major and minor poems.

***87. Matthew Arnold.**—Autumn, 2:30. Two hours credit. Christensen.

A study of the author's poetry and prose.

90. Romantic Poetry.—Autumn, 9:30 Four hours credit. Jensen.

A study of romanticism as manifested in the poetry of the Eighteenth and Nineteenth centuries.

***91. The Victorian Poets.**—Autumn, M. Th. F. 10:30. Three hours credit. Reynolds.

***92. The English Novel.**—Winter, 9:30. Four hours credit. Jensen.

The history of English prose fiction to the time of Scott.

***93. The Modern English Novel.**—Spring, 9:30. Four hours credit. Jensen.

A consideration of the technique of the novel and various phases of life reflected in this form of literature.

***94. The English Essay.**—Winter, 2:30. Four hours credit. Jensen.

The origin and development of the essay. Contemporary essays will receive special attention.

***95. Old English.**—Winter, 10:30. Five hours credit. Christensen.

Old English grammar and reading exercises.

***96. Beowulf.** — Winter. Four hours credit. Christensen.

The entire poem is read in the original. Prerequisite, course 95. (Not given this year.)

***97. The History of the English Language.**—Spring, 10:30. Four hours credit. Christensen.

An historical and philological study of the language from the Old English period to the present time.

***98. Literary Criticism.**—Spring. 2:30. Three hours credit. Christensen.

A study of the problems of criticism in the light of the history of critical theory.

***99. Types of Poetry.**—Spring, 10:30. Four hours credit. Osmond.

A study of lyric, epic, and dramatic poetry.

101. Selected Topics in English.—Time and credit hours to be arranged.

FINANCE AND BANKING

Professors Clark, Swenson; Associate Professor Miller;
Mr. Johnson, Mr. Ballif.

Lower Division Courses

14. Economic and Financial History of the United States.—Autumn. 9:30. Four hours credit. Johnson.

The economic development of the United States through the colonial era and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization.

17. Public Finance.—Spring, 8:30. Three hours credit. Swenson.

The science of public finance; the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration.

21. Commercial Law.—Autumn. 8:30. Four hours credit. Ballif. (See Political Science 43).

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

22. Commercial Law.—Winter, 8:30. Four hours credit. Ballif. (See Political Science 44.)

A study of the law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barter, and bailments. Reference will be made to the leading cases decided by the courts.

23. Commercial Law.—Spring. Four hours credit. Ballif. (See Political Science 45.)

A study of the law governing relationships arising out of business association. Agency, partnerships and corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

51. Business Finance.—Autumn. 9:30. Four hours credit. Clark.

Financial and legal status of the various forms of business organization. A brief study of the agreements, pools, legal trusts, corporation and holding companies. Practical questions such as capital and income; sources and uses of funds; forms of business associations; consolidations; promotions; capitalizations; in-

vestment of capital funds; disposition of gross earnings; betterment expenses; creation and distribution of surplus; insolvency and receivership; re-adjustment and re-organization. Economics 11 and 12, prerequisites.

52. Business Finance.—Winter, 9:30. Four hours credit. Clark.

Continuation of course 51.

53. Money and Banking.—Spring, 9:30 Four hours credit. Clark.

A study of the principles of money and banking and the exemplifications of these principles in the monetary and banking history of the United States. A study of the present-day currency and banking problems in the United States. Economics 11 and 12, prerequisite.

54. Investments.—Spring, 9:30. Four hours credit. Clark.

A study of the various forms of investment; distinction between investment and speculation; methods of investment. Prerequisite, Finance and Banking 51. (Not given this year.)

75. Foreign Exchange.—Spring. Four hours credit. Swenson. (Not given this year.)

This course considers briefly the inter-bank relations and domestic exchange. The main emphasis will be given to bills of exchange, import creditors, gold movements, etc.

GEOLOGY AND GEOGRAPHY

Professor Hansen, Mr. Dennis.

GEOLOGY

Credit will not be allowed for both Geology 1 and 11 and Geography 1.

Geology 1, 2, 30, 51 or 94, 91 and 92 are required of students majoring in Geology.

Lower Division Courses

1. Introductory Geology.—Autumn. Daily, 9:30 and two Saturday field trips. Five hours credit. Hansen.

This course introduces in considerable detail the whole field of Geology and should be elected by those intending to major in the subject.

2. Historical Geology.—Winter. Daily 9:30 and some assigned laboratory work. Five hours credit. Hansen.

A course in the development of the earth and the forms of life that have inhabited it. Prerequisites, Geology 1, or Geography 1 and 2.

11. Survey Course.—Autumn, repeated in Spring. Lectures M. W. F. at 10:30. Laboratory or field M. 2:30-4:30 Four hours credit. Hansen.

A survey of the fields of physical and historical geology, which will give the student a basis for reading and thinking on the relation of the earth, man, and nature. Especially adapted to the non-science student.

30. Mineralogy.—Autumn. T. Th. 10:30. Laboratory T. Th. 1:30 to 4:30. Four hours credit. Hansen. and Dennis.

An elementary course in the study of about 80 of the more common minerals that can be determined by simple chemical and blowpipe tests.

40. Water Resources.—Spring. Two hours credit. Hansen.

A study of streams, springs and wells.
(Not given this year.)

Upper Division Courses

51. Structural and Field Geology.—Spring. M.

T. W. Th., 9:30 and forty hours laboratory or field work during the quarter. Five hours credit. Hansen.

A course in the recognition and interpretation of rocks, rock structures and deformations, on geological maps and in the field. Training in the making of geological maps and sections. Emphasis is laid on the influence of rock structures on the deposition of metal deposits and the accumulation of oil and water. Geology 1, prerequisite. (Not given this year.)

***55. Sedimentation.**—Winter. M. W. F. 8:30. Three hours credit. Hansen.

Lectures on the processes of sedimentation, supplemented by laboratory studies of unconsolidated sediments and sedimentary rocks with the idea of determining their origin and the conditions under which they are formed. (Not given this year.)

61. Geology of the United States.—Spring. Daily. Five hours credit. Prerequisite, Geology 1 and 2. Hansen.

A thorough course in the stratigraphy of the United States by physiographic provinces. The materials published by the U. S. Geological Survey and the state surveys will be used.

71. Invertebrate Paleontology.—Spring. T. Th. 10:30 and three hours laboratory work. Zoology 55 or Geology 2, prerequisites. Three hours credit Hansen.

A study of invertebrate life forms, of the parts that may be fossilized, and of the conditions under which plant and animal remains have been preserved; and deals with the collection and preparation of fossils and their identification.

72. Vertebrate Paleontology.—Winter. T. Th. 10:30. Three hours Laboratory. Zoology 56 or Geology 2 prerequisite. Three hours credit. Hansen.

73. Stratigraphy and Fossils of the Wasatch.—

Autumn. Eight hours field or laboratory work. Geology 71 prerequisite. Three hours credit. Hansen.

A course in the rocks and fossils of the Wasatch range giving the student experience in collecting and determining fossils and their age.

83, 84, 85.—Seminar.—Autumn, Winter and Spring One hour credit each quarter. Time to be arranged.

Open only to those students who are majoring or minoring in this department.

***91. Economic Geology—Non-Metals.—**Winter. M. W. F., 10:30. Three hours credit. Hansen.

The geologic occurrence, economic importance and methods employed in mining the non-metallic mineral products such as coal, petroleum, gypsum, salts, etc. Attempts to evaluate these minerals in the United States and especially those in Utah. Suggests prospecting methods and the economic factors concerned in successful exploitation. Prerequisite, Geology 1. (Not given this year.)

***92. Economic Geology—Metals.—**Winter. M. W. F., 10:30 and three field trips. Three hours credit. Prerequisites, Geology 1 and 30. Hansen and Dennis.

A study of the economically important deposits of ores of the metals, their occurrence, formation, and relationships, the nature of ore magmas and ore bearing solutions.

***93. Ore Deposits of Utah.—**Autumn. T. Th. 8:30, and trips to Tintic, Bingham and Park City Mining districts the expense of which the student must meet. Three hours credit. Hansen.

Intended to follow course 92. It deals with the genesis of the ores of Utah and their profitable extraction. Embraces a study of the mining districts of the state.

***94. Engineering Geology.—**Spring. M. W. F.,

laboratory six hours per week. Five hours credit. Geology 1 prerequisite.

A general course dealing with engineering problems in geology together with practical experience in the use of a transit, plane tables and alidade, etc.

Graduate Courses

101. Research.—Hours and credit to be arranged. Hansen.

Under this course special problems in the field of Geology may be assigned to students prepared to do original work.

110. Geology of Utah.—Autumn, T. Th. 1:30, and three long field trips, the expense of which is borne by the students. Three hours credit. Prerequisites, Geology 1, 2, and 51. Hansen.

Intended for advanced or graduate students who already have a working knowledge of Geology. Deals with the geologic history of the state and its development into distinct provinces. A thorough study of its stratigraphy is made; type localities will be visited to study the formations and structures.

121. Index Fossils.—Spring. M., 10:30 and six hours laboratory work by arrangement. Three hours credit. Hansen.

A course dealing with the fossils that mark the geologic periods in Utah. Prerequisites, Geology 2 and 71 or their equivalent.

GEOGRAPHY

Lower Division Courses

Credit will not be allowed for both Geology 1 and Geography 1 and 2.

1. Advanced Physiography.—Winter. M. T. W. Th., 1:30 and three hours laboratory work. Five hours credit. Hansen and Dennis.

A general course in the agencies at work on the earth's surface and the forms developed by them.

2. Advanced Physiography.—Spring, M. T. W. Th. F., 1:30 and several field trips by arrangement. Four hours credit.

Continuation of course 1. (Not given this year).

30. Geography of Economic Products.—Autumn. Daily, 9:30. Five hours credit. Hansen.

This course deals with the geographic and human factors that have governed the development and localization of industries. (Not given this year.)

31. Introductory Geography.—Autumn, M. T. W. Th., 10:30. Four hours credit. (Not given this year.)

Course introducing all other work in the department. Deals with the fundamental principles of Geography whether political, historical, physiographic or economic.

Upper Division Courses

51. The Geography of Life.—Spring M. W. F., 10:30, and all day field trips. Four hours credit. Hansen.

Lectures and readings on the factors that control the distribution and abundance of plant, animal and human life. A thesis on some assigned aspect of the subject. (Not given this year.)

***61. Geography of the United States.**—Autumn M. W. F., 8:30. Three hours credit. Hansen.

Geography 1 and 2 are prerequisites to this course.

***80. Human Geography.**—Winter, T. Th. 10:30, and some laboratory and field work. Three hours credit. Hansen.

The response man has made to his geographic environment. Deals less with man's modification and control of nature than with nature's effect on him.

Graduate Courses

100. Research.—Hours and credit to be arranged. Hansen.

Under this course special problems may be assigned students who are prepared to do original work in the field of Geography.

111. Physiography of Utah.—Spring, T. Th. 8:30, and three Saturday field trips. Three hours credit. Hansen.

Open to advanced students in Geography. Deals with the present surface forms of Utah and how they came to be developed.

ASTRONOMY

Upper Division Course

51. Descriptive Astronomy.—Autumn, Daily 8:30. Five hours credit.

A course that deals with the fundamental laws that govern the heavenly bodies. It is especially intended to introduce students to the larger concepts of Nature. Of great value in the philosophy of Geology. (Not given this year.)

ANTHROPOLOGY

Upper Division Courses

***74. Anthropology.**—Autumn, T. Th., 11:30. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archeological evidence.

***75. American Anthropology.**—Winter T. Th. 11:30. Two hours credit. Hansen.

A study of the American Indian and his place among the races of mankind, as interpreted from paleontological data.

***76. Advanced Anthropology.**—Spring, T. Th. 11:30. Two hours credit. Hansen.

A discussion of current anthropological problems. Open to students who have successfully completed 74 and 75.

HISTORY

Professors Jensen, Snow.

Requirements for a Major in History

Students must present a minimum of fifteen hours of upper division credit in History. The upper division courses selected must be approved by the major professor at the time of registration.

Lower Division Courses

1. History of Civilization.—Autumn, 8:30. Five hours credit. Snow.

This course will neglect destructive forces, and survey constructively the whole field of human progress from the earliest developments to the present time. Orientation in all lines of human achievement is the primary objective. It is hoped that such a comprehensive view of the world will serve, in a small way at least, as an introduction to all the other studies in the curriculum, and at the same time broaden the sympathies of the students, give them a stronger feeling of fellowship towards all mankind, and increased their appreciation of the heritage of the ages. While planned more particularly for freshman and sophomore students, it will, it is hoped, be of value to all who desire exposure to the general phases of man's upward climbing.

10. History of England to 1485.—Autumn, 2:30. Three hours credit. Snow.

The origins of English institutions; the beginnings of nationality; the Norman conquest and its results; feudalism in England; influence of Henry II and Ed-

ward I.; parliamentary development of the 13th century; the beginning and development of popular rights; the rise of the industrial and commercial classes; the Hundred Years War; the Wars of the Roses.

11. History of England, 1485 to 1714.—Winter, 2:30. Three hours credit. Snow.

England under the Tudors; constitutional reaction; the struggle of the Stuarts with the forces of Puritanism; the Commonwealth and the Protectorate; influences of Cromwell; the Restoration; the Revolution of 1688; reign of Queen Anne.

12. History of England, 1714 to 1927.—Spring, 2:30. Three hours credit. Snow.

The development of cabinet government; the wars with France; the Napoleonic struggles; the conditions leading to the American Revolution and the loss of the American colonies; the expansion of the British Empire; the political, social, religious, and economic reforms of the nineteenth century; the Irish question; Great Britain in the World War; problems since the War.

20. History of United States to 1789.—Autumn, 2:30. Three hours credit. Jensen.

A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts, and results of the American Revolution; establishment of state governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution.

21. History of United States, 1789 to 1861.—Winter, 2:30. Three hours credit. Jensen.

The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England; the "Rise of the New West"; formulation of the Mon-

roe Doctrine; the Jacksonian "reign"; nullification; the Mexican war; economic, political, and moral phases of slavery.

22. History of United States Since 1861.—Spring, 2:30. Three hours credit. Jensen.

The problem of secession; the military, political, and economic aspects of the Civil War; problems of reconstruction; civil service reform; the Far West; Spanish American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War; post-war problems.

23. Great American Political Personalities.—Autumn, 8:30. Two hours credit. Jensen.

A study of the lives and times of prominent Americans who have helped to influence and shape American history from colonial times to the present.

28. History of Latin America.—Spring, 10:30. Three hours credit. Snow.

This course will cover in a summary fashion the history of colonial Hispanic America, and in a more thorough manner the history of the Hispanic American republics and their relation to the United States.

30. Early Oriental History.—Three hours credit. (Not given this year.)

This course deals with the most ancient civilizations of the world. A study is made of Egypt, Babylonia, Assyria, China, India, Arabia, Persia, the Hebrews, and other oriental races. Open to all students of college standing. The course will be helpful to those especially interested in the Jewish scripture.

Upper Division Courses

52. Grecian History.—Autumn, 8:30. Three hours credit. (Not given this year.)

A study of the development of the political, social

and economic life of the Greek people from the earliest times to the conquest by Alexander. The fifth and fourth centuries will be given special consideration.

53. Roman History.—Winter, 8:30. Three hours credit. (Not given this year.)

A brief survey of the earlier period and the Republic, and a more intensive study of the imperial period, its struggles and vicissitudes to the period of Justinian.

62. Medieval History.—Winter, 8:30. Three hours credit. Snow.

Studies covering the period from 500—1200. Considerable attention will be given to the Latin Church, the growth of Monasticism and the interrelation of Charlemagne's Empire and the Papacy, the growth and character of Feudalism, and finally review the rising power of the Church and European society in general in the twelfth century.

63. Medieval History c. 1200 - c. 1500.—Spring, 8:30. Three hours credit. Snow.

Social, economic, and cultural elements will be stressed in this course. The period will be closed with a study of the Italian Renaissance and the emergence of National states.

70. Revolutionary Europe, 1789 to 1852.—Autumn, 2:30. Three hours credit. Snow.

A study of the new forces of liberalism contributing to the French Revolution and greatly accentuated by the catastrophic event. These forces are studied in their exaggerated form to 1815, and in their struggle against reaction and absolutism after that date to 1852.

71. Europe, 1851 to 1907.—Winter, 2:30. Three hours credit. Snow. (Not given this year.)

Exaggerated nationalism. A study of the new industrial revolution and the era of the benevolent Bour-

geoisie. Russia, Germany, Italy, France, and Austria are studied in the light of the new forces at work. Also the Near East question receives special attention.

72. Europe Since 1907.—Spring, 2:30. Three hours credit. Snow. (Not given this year.)

A study of the new imperialism and its far reaching results in Asia, Africa, Australia, and South America; International relations, 1870-1914; (a) the Concert of Europe, (b) the Hegemony of Germany, (c) the balance of power; general and immediate causes of the World War; the progress and conclusion of the War.

80. History of the West and the Ever Receding American Frontier.—Autumn, 3:30. Three hours credit. Snow.

After a brief survey of European expansion in North America and international rivalry for the Caribbean area and the Atlantic tidewater region, attention is given to the French in the heart of America and their eventual downfall at the hands of the English in 1763. Spanish expansion in the southwest and up the Pacific coast is given consideration. With this background and setting the American west and the significance of the frontier are given detailed study.

81. History of the West.—Winter, 3:30. Three hours credit. Snow.

The development and filling in of the Trans-Mississippi West and the acquisition of territory from Spain and Mexico in 1848.

82. History of the West.—Spring, 3:30. Three hours credit. Snow.

Various aspects of the frontier and the West in American politics. Western panaceas for economic ills, the cow countries, railroad activities, admission of omnibus states, disappearance of frontier in 1892.

95. American History to 1789.—Autumn, 2:30. Two hours credit. Jensen.

A study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the Revolutionary struggle; problems of the Confederation; the work of the Federal Constitution Convention.

96. History of United States from 1789 to 1861.—Winter, 2:30. Two hours credit. Jensen.

A study of the organization of the new government; the problems of nationality and state rights; the problems involved in slavery and in the expansion of the nation.

97. History of the United States Since 1861.—Spring, 2:30. Two hours credit. Jensen.

An examination of the theory of secession; constitutional aspects of the war power; the problem of reconstruction; questions relating to industrial and economic expansion, insular possessions, the World War and its after effects.

Graduate Courses

153. Roman History.—Problems of agrarian reform and Roman imperialism.

162. Medieval History.—Intensive study of some particular century or institutional development.

170. Modern History.—Special modern questions designed for graduate students.

180. Western History.—Assigned topics and problems of research.

195. American History.—Problems of Colonial and Revolutionary history.

196. History of United States.—Topics in the development of American political and historical institutions.

197. History of United States.—Problems in recent American constitutional history.

Attention is called to courses in History of Religions and History of the Christian Church in the Department of Religious Education.

HOME ECONOMICS

Professors Maughan, Elliott; Associate Professor Cannon;
Assistant Professor Warnick; Miss Tuckfield,
Miss Palfreyman.

Students majoring in Home Economics have the following courses prescribed: 10, 11, 12, 50, 53, 54, 55, 56, 82, or 20, 21, 22, 63, 64, 65, 66, 67, 68 and Art 21, 25, 26. Students expecting to teach Home Economics are required to take course 81.

Lower Division Courses

1. Elementary Food Preparation and Serving.—Autumn, M. W. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Warnick.

For girls who have not had high school foods. Problems of normal nutrition will be considered. The laboratory will consist of food selection and menu planning for the adequate diet.

2. Elementary Food Preparation and Serving.—Winter, M. W. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Warnick.

Continuation of course 1 with emphasis on child nutrition. Laboratory, foods suitable for children will be prepared.

3. Elementary Food Preparation and Serving.—Spring, M. W. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Warnick.

Continuation of course 2. Nutrition problems. Laboratory—Spring Cookery.

5. Elementary Nutrition.—Spring T. Th. 10:30. Two hours credit. Maughan.

A study of the nutritive properties of common food materials and the essentials of an adequate diet. As this course is designed primarily for normal students, food for the school child will receive special attention.

10. Food Selection, Preparation and Serving.—Autumn. T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Cannon.

Prerequisite, Chemistry 1 and 2. Special emphasis is placed on food production. The economy, the palatability, and proper balance of meals are considered. Special emphasis being placed on dishes suitable for breakfast and their serving.

11. Food Selection, Preparation and Serving.—Winter, T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Cannon.

Prerequisite, course 10. A continuation of course 10, with special emphasis on different luncheon dishes. Various types of luncheons are served.

12. Food Selection, Preparation and Serving.—Spring T. Th. Lecture 2:30-3:30. Laboratory 3:30-5:30. Three hours credit. Cannon.

Prerequisite course 11. A continuation of courses 10 and 11. Special emphasis is placed on formal table service. Dishes and menus for different types of diners are studied.

20. Clothing.—Autumn. M. T. W. Th. Two hours credit. Section 1, 10:30. Section 2, 2:30; Section 3, 9:30. Tuckfield.

Prerequisite or parallels, Art 21. Use and application of commercial patterns to the user. Technical finishing of simple, machine-made garments. Lecture period will consider the purchasing of textiles, their construction and care. Making of wool dresses and tailored finishes.

21. Clothing.—Winter. M. T. W. Th. Two hours credit. Section 1, 10:30; Section 2, 2:30; Section 3, 9:30. Tuckfield.

Prerequisite, or parallels Art 25. Study of silk textiles. Party dresses; emphasis placed on the correct finishing of each article. Lectures on the above textiles, color and dress design.

22. Clothing.—Spring. M. T. W. Th. Two hours credit. Section 1, 10:30; Section 2, 2:30; Section 3, 9:30. Tuckfield.

Prerequisite, or parallel Art 26. Summer dresses. Adapting the line and color to the form and completion of the wearer. Important points in the social and artistic problems will be emphasized.

23. Millinery.—Autumn, M. W. F. 8:30. Two hours credit. The study of the selection, construction and decoration of winter hats. Tuckfield.

24. Milinery.—Spring. T. Th. 8:30. Two hours credit. The study of the selection, construction and decoration of spring hats. Tuckfield.

25. Artistry of Dress.—Spring. T. Th. 1:30. One hour credit without preparation. Two hours credit with preparation. Tuckfield.

This course is intended to develop good taste in dress and to train the judgment of young women in selecting appropriate and becoming clothes for themselves and others. Open to all students not majoring in home economics.

40. Household Problems.—Autumn. T. Th. 9:30. Two hours credit. Maughan.

This course will present the most important problems in the organization and management of the household, including a simple study of the family income and its expenditure. Open to housewives and to students not majoring in home economics.

Upper Division Courses

50. Large Quantity Cookery and Marketing.—Autumn, Winter or Spring. Daily. 10:30-1:30. Five hours credit. Warnick.

Experience in management of school cafeterias, quantity cookery, marketing, keeping of cafeteria accounts. Prerequisites or parallels courses 10, 11, 12, or equivalents and 51. Students should register in the fall for a place during the year. Limited to five students each quarter.

51. Food Economics.—Spring. Two hours credit. T. Th. 9:30. Prerequisite, Home Economics 10, 11, 12. Warnick.

Food marketing and purchasing. Principles underlying selection of materials and supplies, markets, advertising and brands will be considered with reference to public economy and conservation. Food budgets and preservation of foods. Special assignments will be made in food marketing problems. The subject is approached from the viewpoint of the buyer of foods and the teacher of home economics.

52. Nutrition of Children.—Winter. Lecture T. Th. 9:30. Laboratory 11:30 Daily. Maughan.

A consideration of the nutritional requirements of and disorders of pregnancy, infancy, the pre-school and the school child.

53. Nutrition.—Autumn. M. W. F. 9:30. Four hours credit. One three-hour laboratory period. Cannon.

Prerequisites, Chemistry 1, 2, 7, and Home Economics 10, 11, 12. A study of the chemistry, digestion and metabolism of carbohydrates, fats, and proteins, also the properties of food and their effect on health and growth.

54. Dietetics.—Winter. M. W. F., 9:30 and one

three-hour laboratory period. Four hours credit. Cannon.

Prerequisite, course 53. A continuation of course 53, with a discussion of the latest work on minerals and their metabolism, vitamins and the deficiency diseases. The food requirements of the family and individual are considered.

55. Nutrition in Disease.—Spring. M. W. F., 9:30. One three-hour laboratory period. Four hours credit. Cannon.

Prerequisites, course 53 and 54. This course deals with the value of food in maintaining health. Emphasis is placed on special diets for different diseases.

56a. Seminar in Nutrition.—Autumn. Time to be arranged. One hour credit. Cannon.

Required of all senior girls registering in home economics.

56b. Seminar in Nutrition.—Continuation of 56a. Winter. One hour credit. Cannon.

57. Advanced Problems in Cookery.—Spring. Time to be arranged. Two hours credit. Lecture and laboratory period. Cannon.

***58. Experimental Animal Nutrition.**—Open to seniors and graduates only. Prerequisite 5 hours in organic or biochemistry and nutrition 53 and 54. This course is designed to acquaint students with the methods used in small animal experimentation. One hour lecture; laboratory time and credit to be arranged. Dr. Cannon. (See Animal Husbandry 98.)

60. Clothing Decoration.—Autumn. 9:30. M. T. W. Th. Two hours credit. Elliott.

Decorative needle work stitches applicable to household and dress decoration. Planning and developing simple decorative designs for all types of clothing. Articles of clothing applying these stitches will be made in the course.

61. Clothing Technique.—Winter, 9:30. M. T. W. Th. Two hours credit. Elliott.

This course aims to give practice in the application of the use of commercial patterns. Proper technique of clothing construction will be emphasized.

62. Children's Clothing.—Spring, 9:30. M. T. W. Th. Two hours credit. Elliott.

A consideration of designs and construction of children's clothing suitable to various ages and types.

63. Advanced Garment Construction.—Autumn, 2:30. M. W. F. Two hours credit. Elliott.

Practice in renovating and remodeling. The principles of tailoring and applying the same to clothing.

64. Advanced Garment Construction.—Winter, 2:30. M. W. F. Two hours credit. Elliott.

Problems involved in the technique of dresses, coats, and suits. Emphasis will be placed on the tailoring of these articles, supplemented with lectures, discussions and demonstrations.

65. Advanced Garment Construction.—Spring, 2:30. M. W. F. Two hours credit. Elliott.

Study of problems in seasonable materials of silk, cotton, linen, and rayon. Lectures and demonstrations on high school and college girl's wardrobe.

***66. Textiles.**—Autumn, 10:30. T. Th. Three hours credit. Elliott.

Prerequisite Chemistry 1. History of primitive and modern methods of manufacturing textiles. This includes a study of growth, preparations and manufacture of fibres as a basis of judgment in the purchase and use of materials used for clothing and house furnishings. Special consideration is given to the economic trend of the commonly used fibres.

***67. Textiles.**—Winter, 10:30. T. Th. Three hours credit. Elliott.

Continuation of course 66.

***68. Textiles.**—Spring, 10:30. T. Th. Three hours credit. Elliott. Continuation of course 67.

Field trips to stores and industries to study material are part of this terms work.

69. Costume Design.—Winter, M. T. W. Th., 8:30. Three hours credit. Tuckfield.

Principles of art applied in the selection and designing of appropriate costumes. A brief study of the historic costumes.

70. Applied Costume Design.—Spring. M. W. F., 8:30. Two hours credit. Tuckfield.

Designing with models applied to costumes designed in previous course. Prerequisite, course 69.

75. Family Health.—Autumn, T. Th. 8:30. Two hours credit. Maughan.

A consideration of factors underlying health, common communicable diseases and their treatment; home care of the sick.

76. Home Management.—Autumn. M. W. F., 8:30. Three hours credit. Warnick.

The study of the organization and management of the home, including home ideals, methods of work, division of time in the household and household tools.

77. Home Planning and Applied Art.—Winter, M. W. F., 1:30. Two hours credit.

Historic development of the house. Study of American styles of home architecture. Proper location and environment for the home. House planning, study of plans and specifications. Effect of form, line and color. Two recitations and one studio hour. Prerequisite, Art 21.

78. Home Planning and Applied Art.—Spring. M. W. F., 1:30. Two hours credit.

Continuation of Household Administration 77,

Home furnishing, study of walls and wall finishes, floor and floor finishes, lighting, draperies, upholstering, furniture, pictures, bric-a-brac. Study of scale, color, texture, structural harmony and the proper use of ornament.

79. Economics of the Household.—Spring, M. W. F. 8:30. Three hours credit. Maughan.

A study of the household in its economic and social relation, including a study of the family income and its expenditure. Prerequisites, Sociology 11 or Economics 11.

80. Methods of Teaching Home Economics.—Winter, M. W. 3:30. Two hours credit. Maughan.

A discussion of objectives, teaching methods in their relation to home economics, curriculum content, project teaching and related subject matter.

81. Methods of Teaching Home Economics.—Spring, 8:30. Two hours credit. Maughan.

A consideration of adapting home economic courses to existing home and community needs; organization of course of study; testing instruction, texts and other available literature; equipment and teaching facilities; the teacher and professional adjustment. For seniors majoring in home economics.

82. Child Development.—Autumn, M. W. F. 8:30. Three hours credit. Warnick.

Physical and mental standards of development; agencies working for child welfare, home influences in the care and training of children. For students majoring in home economics. Zoology and Entomology 78 should precede or parallel this course.

83. Seminar in Child Development.—Spring. One hour credit. Time to be arranged. Warnick.

HORTICULTURE*

Assistant Professor Morris

Students majoring in Horticulture are required to take the following: 1, 3, 4, 6, 51, 53, 57, 59. Botany 12 should be taken the first year.

Lower Division Courses

1. Principles of Pomology.—Autumn, M. W. F., 8:30, laboratory M. 2:30-5:30. Four hours credit.

The principles underlying profitable orchard management. Profits will be emphasized. History of orcharding in the United States, methods of planting selection of locations and sites, marketing, storage, harvesting, thinning, proper care of the trees.

2. Floriculture.—Autumn. T. Th., 9:30, laboratory W. Three hours credit.

The growing and artistic arrangement of flowers for home purposes will be studied. The study of species and varieties is also a feature.

3. Olericulture.—Spring. M. W. F., 8:30, laboratory M. 2:30-5:30. Three hours credit.

The underlying principles of home and commercial vegetable production. Production for better Profits emphasized.

4. Plant Propagation.—Winter, T. Th., 10:30, laboratory W., 2:30-5:30. Three hours credit.

Sexual and asexual means of propagation studied, spores, seeds, grafting, budding, cutting, layering, separation.

5. Home Landscaping and Plant Materials.—Spring T. Th., 9:30, laboratory T., 2:30-5:30. Three hours credit. Alternates with Horticulture 52.

Designing of city and country homes. Study of

*The courses in Horticulture will not be given in 1929-

shrubs, flowers, trees and lawn grasses. Appreciation of natural beauty.

6. Small Fruits.—Spring. T. Th., 10:30. Laboratory W., 2:30-5:30. Three hours credit.

A study of varieties, propagation, cultural methods, pruning, training, insect and diseases control, and harvesting. Crops studied are grapes, strawberries, raspberries, dewberries, blackberries, currants and gooseberries.

Upper Division Courses

51. Origin and History of Cultivated Plants.—Winter, T. Th., 9:30. Two hours credit.

Study of origin of species and varieties. Changes and adaptation of plants. Interesting historical facts of plants.

52. Principles of Landscape Design.—Spring. T. Th., 9:30, laboratory. T., 1:30-4:30. Three hours credit. Alternates with Horticulture 5.

History of landscape architecture. Art in landscape gardening. The arrangement of buildings, walks, drives, planting of flowers, shrubs and trees. The following are studied: home and public grounds, village improvement, streets, parks, playgrounds, cemeteries.

53. Systematic Pomology.—Autumn, T. Th. 10:30, laboratory, F., 2:30-5:30. Three hours credit.

Emphasis placed on identification of fruits and fruit trees. Wild and cultivated species studied. Development of varieties from species. Description and nomenclature.

***54. Fundamentals of Fruit Production.**—Winter. Daily, 8:30. Five hours credit.

A technical course based upon plant physiology and morphology as applied to fruit production. Nutrition, water relations, winter injury, pollination problems, physiology of pruning, climatic factors will be studied.

55. Commercial Gardening.—Autumn, T. Th. 8:30. Two hours credit.

A study of large scale production for canning factories, special and general markets.

56. Practical Problems in Horticulture.—Spring. Laboratory course. Time to be arranged. One hour credit.

A study of horticultural problems in Utah. Orchards and plantations will be visited and studied.

***57. Plant Breeding.**—Winter, M. W. F., 10:30. Three hours credit.

A study of plant genetics in relation to improvement of plants. Methods of hybridizing and selection for the development of plant varieties, as practiced in Europe and America. Prerequisite, Genetics (given in Zoology and Botany departments.)

58. Seminar.—Three hours credit. Time to be arranged.

A study of the research work being done at the various Experiment Stations. For seniors majoring in Horticulture.

Graduate Courses

101. Methods of Research.—Time and credit to be arranged.

Methods used in the investigation of horticultural problems. Study of published reports, outlining, methods of attack.

102. Research.—Time and credit to be arranged. Students who are qualified are required to do some horticultural research problems.

LIBRARY

Miss Ollorton, Mrs. Gillespie, Mrs. Brown

11. Use of Books and Libraries.—Autumn, Win-

ter, or Spring. 3:30. Th. One hour credit Ollerton.

The purpose of this course is to help students to become efficient in using books and libraries. The use of reference books and an understanding of the card catalog will receive special emphasis.

MATHEMATICS

Professor Eyring, Associate Professor Marshall
Mr. ———.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 13, 50, 51, 52, 71, 72.

Lower Division Courses

11. A Survey Course in Mathematics.—Autumn. Daily. 9:30. Five hours credit. Mr. ———.

A preliminary reconnoissance of the field that usually occupies two years, the subject matter covering a careful study of the elementary principles of trigonometry, college algebra, analytic geometry, and calculus. It is designed to meet the needs of those who wish to pursue mathematical studies, and those who are seeking a broad culture.

12. Plane and Spherical Trigonometry.—Winter 9:30 Daily. Freshman year. Five hours credit. Mr. ———.

The study of the trigonometric functions of angles and the solution of triangles, trigonometric equations and the theory and use of logarithms. The course is fully illustrated by practical problems.

13. Graphical and Statistical Methods.—Spring. 9:30. Daily. Five hours credit. Marshall.

The graphical representation of data, method of averages measurement of variability, correlation, probable errors, etc.

35. Mathematical Theory of Investments.—Spring. 10:30. M. W. F. Three hours credit. Marshall.

Application of Algebra to general business problems, such as annuities, amortization, capitalization, depreciation, sinking fund, bond values and building and loan associations.

Upper Division Courses

50. Analytic Geometry.—Autumn. 8:30. Daily. Five hours credit. Marshall.

A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, etc., with an introduction to differential calculus. Prerequisites: Mathematics 11 and 12.

51. Differential and Integral Calculus.—Winter. 8:30. Daily. Five hours credit. Marshall.

Continuation of 50. Functions and their graphical representation; differentiation, rate of change of a function; integration as the limit of the sum; definite integrals; expansion in series; indeterminate forms; partial differentiations; and multiple integration, with geometrical applications to areas and volumes and with mechanical applications to attraction, moment of inertia, etc.

52. Differential and Integral Calculus.—Spring, 8:30. Daily. Five hours credit. Marshall.
Continuation of 51.

61. Definite Integrals.—Autumn, 8:30. Four hours credit. (Not given this year.)

The study of the properties and methods of computing definite integrals with applications of Physics and Geometry. Junior or senior year.

***71. Differential Equations.**—Autumn, 9:30. Three hours credit. Marshall.

The study of differential equations of the first

order, linear differential equations, total and partial differential equations, with numerous applications to Physics. Junior or senior year.

***72. Differential Equations.**—Winter, 9:30. Three hours credit. Marshall.
Continuation of 71.

***86. Analytical Mechanics.**—Spring, 9:30. Four hours credit. M. T. Th. F. Marshall.

The general principles of mechanics; the statics and dynamics of particles, rigid bodies and fluids.

Graduate Course

101. Vector Analysis.—Winter. M. W. F. Three hours credit. Marshall.

Fundamental operations of vector analysis and its application to mechanics and other branches of mathematical physics.

MECHANIC ARTS

Assistant Professor Snell, Mr. Bigelow

AUTO MECHANICS

Lower Division Courses

11. Elementary Auto Mechanics. — Autumn. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction of the automobile and an elementary study of the principles involved Lubrication, assembling and repairing of brakes, rear axles, transmission systems and engines. Drafting recommended as parallel course. Lectures and demonstrations twice a week.

12. Elementary Auto Mechanics.—Winter. Daily, 3:30-5:30. Three hours credit. Bigelow.

Construction and adjustment of carburetors and ignition systems.

13. Elementary Auto Mechanics.—Spring. Daily, 3:30-5:30. Three hours credit. Bigelow.

Ignition, timing, "trouble shooting", battery work and starting and lighting systems.

14. Ignition.—Autumn. Bigelow. Credit given on the basis of three hours credit for ten hours application each week.

Battery, vibrator, and magneto ignition. Study and practice of the principles involved in testing for troubles and making adjustments.

15. Generators and Starting Motors.—Winter. Bigelow. Hours and credit as in 14.

The working principle of the dynamo, and testing for shorts and open circuits. Reverse current cut-outs, types of generator regulation as third brush control systems. Testing and adjustments of the generator output.

16. Machine Work and Welding.—Spring. Bigelow. Hours and credit the same as in 14.

Drill-press, lathe, and planer work. Principles of cutting tools, forging and tool sharpening. The use of the torch in cutting and welding.

SHOP PRACTICE

The courses in Shop Practice are open to all students, but are designed especially to meet the state requirements for shop teachers.

4. Sheet Metal.—Autumn. M. W. 1:30-3:30. Layouts, cutting, bending, crimping, seaming, riveting, soldering, etc. Projects will be made and credit given according to quality and quantity of work accomplished.

5. Cold Metal.—Autumn. T. Th., 1:30-3:30. Designing, cutting, sawing, bending, drilling, tapping, threading, riveting, etc. Credit as above.

6. Electricity.—Winter. M. W. F., 3:30-5:30
Electro-magnets, buzzers, door bells, batteries, generators, resistance, wiring circuits, etc. Credit as in 4.

7. Cement.—Spring Time to be arranged probably on Saturday. Cements, mixes, tests, forming, finishes, etc. Credit as in 4.

WOODWORK

11. Elementary Construction.—Autumn. M. T. W. Th., 1:30-3:30. Two or three hours credit, according to time. Credit given on the basis of three hours credit for 9 hours application each week. Snell.

This course is designed (1) for the student who wishes technical training in the fundamental principles preparatory to pursuing this line of work, either in teaching or practice, or (2) for the student wishing only a general course that will enable him to construct the simpler building, etc., in and around the farm and home, such as gates, fences and farm buildings. Attention is given to individual needs. Students should have had or should be taking drafting as a parallel course.

12. Elementary Construction.—Winter. Continuation of 11. M. T. W. Th. Snell.

13. Elementary Construction.—Spring. Continuation of 12. Daily, 1:30-3:30. Snell.

21. Cabinet Construction.—Autumn. M. T. W. Th., 1:30-3:30. Snell.

This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings and blueprints are submitted and the article is made to conform to these. Training is given in the use of modern wood-working machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying and polishing. Credit given on the basis of three

hours credit for 9 hours application each week. Prerequisite, Drafting 13.

22. Cabinet Construction.—Winter. M. T. W. Th. Snell.

Continuation of 21.

23. Cabinet Construction.—Spring. M. W. F., 1:30-3:30. Snell.

Continuation of 22.

Upper Division Courses

51. Carpentry.—Autumn. M. W. F. Time to be arranged. Three hours credit. Snell.

This course deals with the theoretical side of building. Location, soil conditions, footings, materials, etc. Application of the steel square to framing. Outside and inside finish. Prerequisite, Drafting 13. Drafting 51 should be taken as a parallel course.

52. Carpentry.—Winter. M. T. W. Th. 3:30-5:30. Three hours credit. Snell.

Thorough drill in saw filing. Tool practice applied in practical problems growing out of carpentry 51. Fitting and hanging doors and windows, building in cabinets, stair construction and framing. Prerequisites Carpentry 51 and Drafting 51.

53. Estimating.—Spring. M. W. F. Time to be arranged. Three hours credit. Snell.

Interpretation of plans and specifications. Methods of estimating and figuring cost of material and labor for excavations, foundations, cement work, heating, plumbing, painting, etc. Permits, contracts, liens. Prerequisites, Drafting 63.

61. Shop Work.—Autumn. Snell. Time to be arranged. Credit given on the basis of three hours for nine hours application each week during the quarter.

Under the supervision of the instructor, stu-

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dents may do advanced work, consisting of the erection of buildings, built-in work, fancy furniture, or novelty work.. Complete plans and specifications must be submitted and accepted before work is begun. Prerequisite, Woodwork 51, 52, 53 or their equivalent.

62. Shop Work.—Winter. Snell. Time credit, etc., as in 61.

Continuation of 61.

63. Shop Work.—Spring. Snell. Time, credit, etc., as in 62.

Continuation of 62.

MODERN AND CLASSICAL LANGUAGES

Professors Cummings and de Jong, Mrs. Roberts,
Miss Black

Students who major in Modern and Classical Languages are required to furnish Courses 1, 2, 3, 54, 55, 56; 61, 62, 63; 71, 72, 73, of 81, 82, 83; and 89.

GERMAN

Lower Division Courses

1. Elementary German.—Autumn. 8:30. Five hours credit. De Jong.

Designed for those who have had no German. Pronunciation, easy reading, and the fundamentals of grammar.

2. Elementary German.—Winter. 8:30. Five hours credit. De Jong.

Prerequisite, German 1, or one year of German in high school. Reading, vocabulary building, and grammar drill.

3. Intermediate German.—Spring. 8:30. Five hours credit. De Jong.

Prerequisite, German 2. Readings, conversation, and grammar drill.

Upper Division Courses

54. Advanced German.—Autumn. 9:30. Three hours credit. De Jong.

Prerequisite, German 3 or two years of German in high school or fifteen hours credit in German. Comprehensive study of grammar. Conversation and composition based on reading.

55. Advanced German.—Winter. 9:30. Three hours credit. De Jong.

Prerequisite, German 54. Reading, conversation and composition.

56. Advanced German Reading.—Spring. 9:30. Three hours credit. De Jong.

Prerequisite, German 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. German Composition and Conversation.—Autumn, Winter, Spring. 9:30. Two hours credit each quarter. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

71. Contemporary German Civilization.—Autumn. 9:30. Three hours credit. De Jong.

Open to all students. The life, customs, sciences, art, etc., of present-day Germany. Lectures given in English. Outside reading may be done in English or German.

72. Survey of German Literature.—Spring. 9:30. Three hours credit. De Jong.

Prerequisite, twenty hours of German. A general survey of German literature from the beginning to 1715. Illustrative readings.

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73. Survey of German Literature.—Spring. 9:30. Three hours credit. De Jong.

Prerequisite, twenty hours of German. A general survey of German literature of the eighteenth and nineteenth centuries. Illustrative readings.

81. Modern German Fiction.—Winter. 3:30. Three hours credit. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

82. Modern German Plays.—Spring. 3:30. Three hours credit.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

83. Modern German Poetry.—Spring. 3:30. Three hours credit. De Jong.

Prerequisite, fifteen hours of German and the consent of the instructor. (Not given this year.)

89. Problems of Teaching German.—Autumn. 3:30-5:30. Two hours credit. De Jong. (Not given this year.)

Prerequisite, thirty hours of German.

Graduate Courses

At least 38 hours of undergraduate German is prerequisite to any graduate course.

101, 102, 103. Advanced German Composition and Conversation.—Autumn, Winter and Spring. Two hours credit each quarter. De Jong.

111, 112, 113. German Literature of the Eighteenth, Nineteenth and Twentieth Centuries Respectively.—Three hours credit each quarter. De Jong. (Not given this year.)

121, 122, 123. German Novel from 1800 to the Present.—Two hours credit each quarter. (Not given this year.) De Jong.

131, 132, 133. German Drama from 1800 to the Present.—Two hours credit each quarter. (Not given this year.) De Jong.

141. Lessing.—Autumn. Two hours credit. De Jong. (Not given this year.)

142. Schiller.—Winter. Two hours credit. De Jong. (Not given this year.)

143. Goethe.—Spring. Two hours credit. De Jong. (Not given this year.)

FRENCH

Lower Division Courses

1. Elementary French.—Autumn. 10:30 and 3:30. Five hours credit. Cummings and Roberts.

Designed for those who have had no French. Pronunciation, easy reading, and the fundamentals of grammar.

2. Elementary French.—Winter. 10:30 and 3:30. Five hours credit. Cummings and Roberts.

Prerequisite, French 1, or one year of French in high school. Reading, vocabulary building, and grammar drill.

3. Intermediate French.—Spring. 10:30 and 3:30. Five hours credit. Cummings and Roberts.

Prerequisite, French 2. Reading, conversation, and grammar drill.

Upper Division Courses

54. Advanced French.—Autumn. 8:30. Three hours credit. Roberts.

Prerequisite, French 3 or two years of French in high school or fifteen hours credit in French. Comprehensive study of grammar. Conversation and composition based on reading.

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55. Advanced French.—Winter. 8:30. Three hours credit. Roberts.

Prerequisite, French 54. Reading, conversation and composition.

56. Advanced French Reading.—Spring. 8:30. Three hours credit. Roberts.

Prerequisite, French 55. Reading from the general field, including drama, fiction, magazine articles, newspapers, etc.

61, 62, 63. French Composition and Conversation.—Autumn, Winter, Spring. 2:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor. (Not given this year).

71. Contemporary French Civilization.—Autumn. 1:30. Three hours credit. Cummings.

Open to all students. The life, customs, sciences, art, etc., of present-day France. Lectures given in English. Outside reading may be done in English or French.

72. Survey of French Literature.—Winter. 3:30. Three hours credit. Cummings.

Prerequisite, twenty hours of French. A general survey of French literature from the beginning of 1715. Illustrative readings. (Not given this year).

73. Survey of French Literature.—Spring. 3:30. Three hours credit. Cummings.

Prerequisite, twenty-four hours of French. A general survey of French literature of the eighteenth and nineteenth centuries. Illustrative readings. (Not given this year).

81. Modern French Fiction.—Winter. 1:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

82. Modern French Plays.—Spring. 1:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor.

83. Modern French Poetry.—Spring. 3:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of French and the consent of the instructor. (Not given this year.)

89. Problems of Teaching French.—Autumn, 3:30-5:00. Two hours credit. Cummings.

Prerequisite, thirty hours of French. (Not given this year.)

Graduate Courses

At least 38 hours of undergraduate French are prerequisite to any graduate course.

101, 102, 103. Advanced French Composition and Conversation.—Autumn, Winter, Spring. 3:30. Two hours credit each quarter. Cummings.

111, 112, 113. French Literature of the Seventeenth, Eighteenth, and Nineteenth Centuries Respectively.—Autumn, Winter, Spring. 1:30. Three hours credit each quarter. (Not given this year.) Cummings.

121. French Novel from 1800 to the Present.—Autumn, Winter, Spring. Two hours credit each quarter. (Not given this year.) Cummings.

131. French Drama from 1800 to the Present.—Autumn, Winter, Spring. Two hours credit each quarter. (Not given this year.) Cummings.

141. Corneille.—Autumn. Two hours credit. (Not given this year.) Cummings.

142. Racine.—Winter. Two hours credit. (Not given this year.) Cummings.

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143. Moliere.—Spring. Two hours credit. (Not given this year.) Cummings.

SPANISH

Lower Division Courses

1. Elementary Spanish.—Autumn. 2:30. Five hours credit. Cummings.

Designed for those who have had no Spanish. Pronunciation, easy reading, and the fundamentals of grammar.

2. Elementary Spanish.—Winter. 2:30. Five hours credit. Cummings.

Prerequisite, Spanish 1, or one year of Spanish in high school. Reading, vocabulary building, and grammar drill.

3. Intermediate Spanish.—Winter. 2:30. Five hours credit. Cummings.

Prerequisite, Spanish 2. Conversation based on a considerable amount of reading. Grammar drill.

Upper Division Courses

54. Advanced Spanish.—Autumn. 1:30 Three hours credit.

Prerequisite, Spanish 3 or two years of Spanish in high school or fifteen hours credit in Spanish. Comprehensive study of grammar. Pronunciation drill, Conversation and composition based on reading. (Not given this year.)

55. Advanced Spanish.—Winter. 1:30. Three hours credit.

Prerequisite, Spanish 54. Reading, conversation, and composition. (Not given this year.)

56. Advanced Spanish Reading.—Spring. 1:30. Three hours credit.

Prerequisite, Spanish 55. Reading from the gen-

eral field, including drama, fiction, magazine articles, newspapers, etc. (Not given this year.)

61, 62, 63. Spanish Composition and Conversation.—Autumn, Winter, Spring. 1:30. Three hours credit each quarter. Cummings.

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

81. Modern Spanish Fiction.—Winter. 1:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

82. Modern Spanish Plays.—Spring. 1:30. Three hours credit. Cummings.

Prerequisite, fifteen hours of Spanish and the consent of the instructor.

89. Problems of Teaching Spanish.—Autumn. 3:30-5:00. Two hours credit. De Jong.

Prerequisite, thirty hours of Spanish. (Not given this year.)

LATIN

Lower Division Courses

1. Elementary. Latin.—Autumn. 9:30. Five hours credit. Black.

Mastery of declensions and conjunctions. Correlation of Latin originals with English derivatives.

2. Elementary Latin.—Winter. 9:30. Five hours credit. Black.

Easy reading and grammar.

3. Intermediate Latin.—Spring. 9:30. Five hours credit. Black.

Reading and grammar.

Upper Division Courses

54. Advanced Latin.—Autumn. 1:30. Three

hours credit. Prerequisite, Latin 3 or two years of Latin in high school. Comprehensive study of grammar. Reading and composition. (Not given this year.)

55. **Advanced Latin.**—Winter. 1:30. Three hours credit. Prerequisite, Latin 54. Reading from the classics. Composition. (Not given this year.)

56. **Advanced Latin.**—Spring. 1:30. Three hours credit. Prerequisite, Latin 55. Reading from the classics. (Not given this year.)

PHONETICS

Lower Division Course.

1. **Practical Phonetics.**—Winter. 1:30. Two hours credit. De Jong.

The elementary principles of speech mechanism in their relation to correct diction. This course correlates with courses in Speech and Vocal Music.

MUSIC

Professor Jepperson-Madsen; Associate Professors Sauer, Robertson; Assistant Professor Madsen; Mr. Hansen, Mr.

Nelson, Mr. Booth, Mr. Filtzroy, Mrs. Packard,
Mr. Buggert.

Those who major in the Department of Music must complete the following courses: Piano 3 hours, harmony 9 hours, Solfeggio 4 hours, History 3 hours, Appreciation 3 hours, Vocal Culture 3 hours, and Vocal or Instrumental Ensemble 6 hours. Students who expect to teach music must also take Theory of Music 13 and 76. These requirements are subject to change where conditions warrant individual consideration.

Private courses are indicated by -p following the number of the course. In the instrumental division the letter im-

mediately following the number indicates the instrument; e. g., 7 p-p means course 7 private piano, 3t-p means 3 private trombone.

THEORY OF MUSIC

Lower Division Courses

1. Grammar.—Any quarter. Four hours credit. Madsen.

Fundamentals of music, terminology, notation, keys, rhythm, tempo, dynamic, signs, ornamentations, structure and form.

2, 3, 4. Solfeggio.—Autumn, Winter and Spring. Two hours credit each quarter. Madsen.

Rudiments of music; intervals; diction; sight singing.

7, 8, 9. Harmony.—Autumn, Winter and Spring. Three hours credit each quarter. Robertson.

Intervals; primary and secondary triads; dominant seventh and ninth chords, diminished seventh chords; open harmony.

13. Public School Methods.—Any quarter. Three hours credit. Hanson.

Special technique of instruction and material for the grades; class demonstrations and supervised teaching.

14, 15, 16. Philosophy and Appreciation of Music.—Autumn, Winter, Spring. Two hours credit each quarter. Madsen.

A study of the important philosophies of music and musicians; the philosophy of the elements of music, musical structure, musical compositions, musical values.

Upper Division Courses

51, 52, 53. Solfeggio.—Two hours credit each quarter. Madsen.

Prerequisite, Theory of Music 2, 3, and 4. Training in advanced sight singing.

54, 55. Harmony.—Autumn, Winter. Three hours credit each quarter. Robertson.

Prerequisite, Theory of Music 7, 8, and 9. Modulation; secondary seventh and altered chords; non-harmonic tones; modern harmony.

56. Form and Analysis.—Spring. Three hours credit. Robertson.

Prerequisite, Theory of Music 55, or the equivalent. Study of musical form, from the section to the sonata; harmonic analysis.

60, 61, 62. History.—Autumn, Winter, and Spring. Three hours credit each quarter. Madsen.

Alien musical systems, ancient and modern. Origin of musical instruments. Medieval and modern music. Demonstrations by soloists and Victrola.

63, 64, 65. Counterpoint.—Autumn, Winter, and Spring. Two hours credit each quarter. Robertson.

Prerequisite, Theory of Music 7, 8, 9, 54, 55 and 56. Strict counterpoint in the various species.

66, 67, 68. Canon and Fugue.—Autumn, Winter, and Spring. Two hours credit each quarter. Madsen.

Prerequisite, Theory of Music 63, 64, and 65.

69. Instrumentation.—Autumn. Two hours credit. Robertson.

Prerequisite, Theory of Music, 7, 8, and 9. Arranging in solo, duet, trio, and quartet form.

70. Instrumentation.—Winter. Two hours credit. Robertson.

Prerequisite, Theory of Music 7, 8, 9, and 69. Study of orchestra instruments and arranging for orchestra.

71. Instrumentation.—Spring. Two hours credit. Sauer.

Prerequisite, Theory of Music 7, 8, 9, 69 and 70.
Study of band instruments and arranging for band.

76. High School Methods.—Winter. Two hours credit. Hanson.

Special technique of instruction and materials for the junior and senior high schools. This course should precede or accompany Secondary Teaching 54, for music majors and for those who are preparing to teach music in the public schools. (See Secondary Teaching 64.)

INSTRUMENTAL MUSIC

1, 2, 3, 4, 5, 6. Band.—Daily, Autumn, Winter and Spring. One hour credit each quarter. Sauer.
Admission by consent of director.

7, 8, 9, 10, 11, 12. Orchestra.—Daily, Winter, and Spring. One hour credit each quarter. Robertson.
Admission by consent of director.

13, 14, 15, 16, 17, 18. String Ensemble.—Three times each week. One hour credit each quarter. Robertson.

19, 20, 21, 22, 23, 24. Band Ensemble.—Three times each week. One hour credit each quarter. Sauer.

1, 2, 3p-p. Piano.—Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Study of the scales in different rhythms and touches; Czerny, Op. 299, Book IV; Mendelssohn's "Song Without Words", etc.

4, 5, 6p-p. Piano.—Autumn, Winter, and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.
Scales in double thirds, fourths, and sixths; "Cramer-Bulow Studies"; and classical compositions.

7, 8, 9p-p. Piano Ensemble.—Autumn, Winter, Spring. One hour credit each quarter. Nelson.

The fundamentals of ensemble playing. Four, six, and eight hand arrangements.

10p-p. Piano Pedagogy.—Any Quarter. One hour credit. Nelson, Hanson, and Fitzroy.

Methods and problems of piano teaching in the elementary grades.

1, 2, 3v-p.—Violin.—Autumn, Winter, and Spring. Robertson, Booth.

Hohman, books I and II; Seveck, Elementary studies; Sitt, Op. 32, book I; Wohlfahrt. One hour credit each quarter.

4, 5, 6v-p. Violin.—One hour credit each quarter. Robertson, Booth.

Hohman, books III and IV; Sitt Op. 36; Schradiek; Dont Op 37; Solos in various positions.

1, 2, 3c-p. Cornet.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

Rudiments of music; mouth and lip positions; tone production; correct breathing and fingering.

4, 5, 6c-p. Cornet.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

Intervals, slurs, syncopation; the triplet; the double dot; marks of abbreviation and expression.

1, 2, 3v-p. Baritone.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13v-p. Bassoon.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

21, 22, 23b-p. Bass (Tuba).—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13, 14, 15, 16c-p. Clarinet.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer, Madsen.

1, 2, 3d-p. Drums and Timpani.—Autumn, Winter

and Spring. One hour credit each quarter. Sauer.

1, 2, 3f-p. Flute.—Autumn, Winter, and Spring. One hour credit each quarter. Nelson.

11, 12, 13f-p. French Horn.—Autumn, Winter, and Spring. One hour credit each quarter Sauer.

1, 2, 3o-p. Oboe.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13o-p. Organ.—Autumn, Winter, and Spring. One hour credit each quarter. De Jong.

1, 2, 3, 4, 5, 6s-p. Saxophone.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

11, 12, 13s-p. String Bass.—Autumn, Winter and Spring. One hour credit each quarter Sauer.

1, 2, 3, 4, 5, 6t-p. Trombone.—Autumn, Winter, and Spring. One hour credit each quarter Sauer.

11, 12, 13v-p. Viola.—Autumn, Winter and, Spring. One hour credit each quarter. Booth, Robertson.

21, 22, 23, 24, 25, 26v-p. Violoncello.—Autumn, Winter and Spring. One hour credit each quarter. Buggert.

Upper Division Courses

51, 52, 53, 54, 55, 56. Concert Band.—Autumn, Winter and Spring. Daily. One hour credit each quarter. Sauer.

Admission by consent of the director. Standard overtures, operatic selections, and miscellaneous military band music.

57, 58, 59, 60, 61, 62. Symphony Orchestra.—Autumn, Winter, and Spring. Daily. One hour credit each quarter. Robertson.

Admission by consent of director. Study of selec-

tions, overtures, symphonies, and accompaniments.

51, 52, 53p-p. Piano.—Autumn, Winter, Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Czerny "School of Virtuoso;" Bach, "Three Part Inventions," and Sonatas.

53, 54, 55p-p. Piano—Autumn, Winter and Spring. One hour credit each quarter. Nelson, Hanson, Fitzroy.

Bach, "Well Tempered Clavichord;" Beethoven, Sonatas; a concerto and a public recital.

63, 64, 65; 66, 67, 68. String Ensemble.—Autumn, Winter and Spring. Three times each week. One hour credit each quarter. Robertson.

69, 70, 71, 72, 73, 74. Band Ensemble.—Autumn, Winter, and Spring. M. W. F. One hour credit each quarter. Sauer.

51, 52, 53v-p. Violin.—Autumn, Winter, and Spring. One hour credit each quarter. Robertson, Booth.

Fiorillo; Dancla, Op. 73 Kreutzer; deBeriot; "The Art of Bowing," Tarini; scales, apreggios, technique of the bow, double stops, Sevcik; advanced solos.

54, 55, 56v-p. Violin.—Autumn, Winter, and Spring. One hour credit each quarter. Robertson, Booth.

Fiorillo; Dancla, Op. 73; Dont, Op. 35; Rhode Beach; concertos; one public recital.

51, 52, 53c-p. Cornet.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

Technique; muscular control, artificial fingerings; sight reading; the turn, shake trill, grace note; and difficult exercises.

54, 55, 56c-p. Cornet.—Autumn, Winter and

Spring. One hour credit each quarter. Sauer.

The art of phrasing and expression; velocity; trumpet calls; transposition; difficult exercises and the interpretation of standard solos and cadenzas.

61, 62, 63, 64, 65, 66c-p. Clarinet.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

61, 62, 63, 64, 65, 66o-p. Organ.—Autumn, Winter, and Spring. de Jong.

63p-p. Piano Pedagogy.—Spring. One hour credit. Nelson.

Prerequisites, 1 to 6 p-p, and 10p-p. Methods and problems of piano teaching in the higher grades.

51, 52, 53t-p. Trombone.—Autumn, Winter, and Spring. One hour credit each quarter. Sauer.

71, 72, 73, 74, 75, 76v-p. Violoncello.—Autumn, Winter, and Spring. One hour credit each quarter.

78, 79, 80-p. The Art of Accompanying.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen, Nelson, Hanson.

Technical study of the principles of artistic accompanying. Privately or in groups.

VOCAL MUSIC

Lower Division Courses

1, 2, 3, 4, 5, 6-p. Vocal Culture.—Private or in groups. Autumn, Winter, and Spring. One or two hours credit each quarter. Jepperson-Madsen, Packard.

7, 8, 9, 10, 11, 12. Mixed Chorus.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Open to inexperienced singers.

13, 14, 15, 16, 17, 18. Ladies Glee Club.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Open to inexperienced singers.

13, 14, 15, 16, 17, 18. Male Glee Club.—Autumn, Winter, and Spring. One hour credit each quarter. Hanson.

Open to inexperienced singers.

21, 22, 23-p. Group Vocal.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Training in teaching vocal music in the school and studio. Repertoire and expression.

42. Phonetics.—Winter. One hour credit.

(See Phonetics 1 in Department of Modern and Classical Languages.)

Upper Division Courses

51, 52, 53, 54, 55, 56-p. Vocal Culture.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen, Packard.

57, 58, 59, 60, 61, 62. Mixed Chorus.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director.

63, 64, 65, 66, 67, 68. Ladies Glee Club.—Autumn, Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director.

63, 64, 65, 66, 67, 68. Male Glee Club.—Autumn, Winter, and Spring. One hour credit each quarter. Hanson.

Admission by consent of director.

81, 82, 83, 84, 85, 86. Opera and Oratorio.—Autumn Winter, and Spring. One hour credit each quarter. Jepperson-Madsen.

Admission by consent of director.

87, 88, 89, 90, 91, 92. Chamber Society of Vocal Art.—Autumn, Winter, and Spring. One hour credit. each quarter. Jepperson-Madsen.

Practice in solo, duet, trio, quartet and other forms of vocal art.

OFFICE PRACTICE

Professor Holt; Mrs. Roberts, Mr. Johnson,
Miss Christensen

Lower Division Courses

11. Shorthand.—Autumn. Daily, 10:30. Four hours credit. Christensen.

Principles of shorthand writing according to the Gregg system.

12. Shorthand.—Winter, 10:30. Four hours credit. Christensen.

Continuation of course 11.

13. Shorthand.—Spring, 10:30. Four hours credit. Christensen.

14. Advanced Shorthand.—Autumn, 10:30. Three hours credit. (Pitman) Holt; (Greg) Christensen.

Dictation work. Special attention will be given to reporting forms, and to the development of skillful writers.

15. Advanced Shorthand.—Winter, 10:30. Three hours credit. Holt and Christensen.

Continuation of course 14.

16. Advanced Shorthand.—Spring. M. W. F., 10:30. Three hours credit. Holt and Christensen.
Continuation of course 15.

21. Typewriting.—Autumn, Winter or Spring. Six hours a week. Two hours credit. See instructors for time. Christensen and ———.

Touch typewriting, according to standard methods.

22. Typewriting.—Autumn, Winter, or Spring. Two hours credit.

23. Typewriting.—Autumn, Winter, or Spring. Two hours credit.

24. Typewriting.—Autumn, Winter, or Spring. Daily. Two hours credit. (Elect one quarter only.) Christensen and ———.

31. Business English.—Autumn, Sec. I, 8:30, Sec. II, 10:30. Three hours credit. Holt, Roberts.

The substance and style of business English; clearness in sentences; correctness of diction; force in sentence structure; force in diction; the paragraph. Business forms and usages; the standards of business usage; the mechanical form of the letter, official and social remittances; the essential qualities of business letters; claims and adjustments; the various kinds of letters.

32. Business English.—Winter. Three hours credit. Holt, Roberts.

Continuation of course 31.

33. Business English.—Three. Three hours credit. Holt, Roberts.

Continuation of course 32.

38. Office Management and Methods.—Winter, 9:30. Four hours credit. Johnson.

The principles and methods of organization and administration of clerical forces. Office short-cuts in

handling routine discussed and demonstrated. Visits made to well organized local offices. The Stenographic Bureau of the institution will be used as a laboratory.

40. Secretarial Practice.—Spring, M. W. F., 9:30. Three hours credit. Johnson.

A combination laboratory and lecture course involving a correlation of advanced dictation, stenographic practice, and secretarial procedure with subject matter from a wide range of American business activity. Prerequisite, Office Practice 11, 12, 13.

PHILOSOPHY OF EDUCATION

Professors Woodward, Nuttall, Merrill, Swenson, Nelson.

Lower Division Courses

33. Theory and Method of Self Development.—Winter and Spring, M. W., 9:30. Two hours credit. Woodward.

The course is designed for Sophomores and especially second-year Normals. It aims to help the student understand the theory and method involved in building his or her own "Temple of Character." It is a course in self-improvement. The discussion will cover the philosophic background of character building, a careful analysis of the capacities and powers and vital energies with which the student has to work and the method of employing these in the process of self-development.

36. Introduction to the Scientific Study of Education.—Autumn, M. W. F., 9:30. Three hours credit. Woodward.

The aim of this course is to give the students an idea of the function of the school as a social institution to aid them in the selection of a specific curriculum which will best meet their educational needs. General

school problems and facts about education which should be known by every intelligent citizen will be discussed.

Upper Division Courses

***72. Community Organization and Leadership.**—(See Sociology 51.) Swenson.

74. Rural Sociology.—(See Sociology 53.)

81. Science of Education.—Autumn, Winter, Spring. 8:30. M. W. F. Four hours credit. Woodward.

This course should be preceded by a course in General, or Educational Psychology. A consideration of the fundamental problems of educational theory and practice; the aims, standards and contents of education. A study of the principles of determining educational values. A summary of the psychological investigations that have been made relevant to the principal school subjects. An introduction to the scientific methods of measuring the results of teaching. This course must precede or be taken in connection with Secondary Training. It should be taken during the junior year.

***84. Educational Sociology.**—(See Sociology 61.) Swenson.

85. Philosophy of Nature.—Winter, 10:30. Two hours credit. Woodward.

The course deals with a brief survey of the evolution of philosophical thought; the place of philosophy in the solution of problems of modern civilization; with the problem of reality as set forth in various forms of materialism, dualism, and idealism; with the problems of singularism and pluralism. Considerable time is spent upon the problems of self and the status of values.

86. History of Education.—Winter, 10:30. M. W. F., Three hours credit. Woodward.

A discussion of the educational theories and practices of the Greek, Roman, and Mediaeval periods of history. Emphasis will be placed upon the following topics: The rise and growth of Christian education, the rise of universities, the renaissance, the development of science and the scientific methods, and the more recent and contemporary development of educational theory and practice. Knowledge of European history presupposed.

***87. Philosophic Ethics.**—Autumn. T. Th., 10:30. Two hours credit. Woodward.

This course will consist of a brief treatment of the evolution of ethical thought. The principal philosophical problems underlying ethical theory will be discussed. These are materialistic versus purposive evolution, the nature of the self, the status of values. "Are we masters of our own fates?" Immortality, monism and pluralism, and democracy and the moral order. This course, and 88 with which it alternates, is designed to meet the state requirements in Ethics. "Truths by Which We Live", by Hodson, will be used as a text.

***88. Social Ethics.**—Autumn. M. W. F., 10:30 Three hours credit. Woodward.

This course deals with ethical theory as applied to our industrial and social problems, the present conflict in moral and ethical ideals, the meaning of democracy, the ethics of modern business, the breakdown of Puritan ethics, individualism and Christian ethics, the problems of capital and labor, Bolshevism and reaction "Introduction to Social Ethics," by Mecklin, will be used as a text. (Not given this year.)

***89. Character Education.**—Spring. T. Th., 10:30. Two hours credit. Woodward.

This course considers education as training for social efficiency, and the school as one of several agencies for such training. It discusses the moral significance of the various studies and activities of the school,

direct and indirect moral instruction and moral training. Alternates with course 137.

***92. Vocational Education.**—Autumn.. 9:30. Four hours credit. Merrill.

This course will deal with the aims and needs of vocational education; how this type of educational activity answers the demand of society; the place it should fill in the schools to-day; the types of vocational training that should be fostered under western conditions; the principles governing the determination of the curriculum; the aid extended by state and federal governments.

***99. Philosophy Seminar.**—Winter and Spring. Woodward.

This course is intended for advanced students only. It deals with such problems as Reality, The Self, Immortality, etc. Registration is possible only by consent of the instructor. Class meets once each week. Time is to be arranged. One hour credit.

Graduate Courses

137. Philosophy of Education.—Spring. 10:30. Three hours credit. Woodward.

Lectures, readings, and discussions. Education will be studied as a social agency in relation especially to other factors at work in a democratic society. The general topic will be a consideration of the aims and methods appropriate to a system of education in a democratic society such as ours. There will be considered in this course such fundamental problems as the relation of the individual and society, subject and object, knowledge and action, the physical and moral.

143. Education and Nationalism.—Autumn, 2:30. Two hours credit. Woodward.

The development of national systems of education in Western Europe and America. This course offers a

survey of the part which education has played in the development of modern nationalities. Comparative study will be made of the essential features of the most important modern educational means for the attainment of political ends, and colonial educational policies. The part which education may play in the reconstruction of nations, will be considered.

144. Philosophy as Applied to Education.—Spring 2:30. Two hours credit. Woodward.

The course deals with the fundamental philosophies of modern times and their bearing and influences upon educational systems in Europe and America.

145. Comparative Education.—Winter, 2:30 Three hours credit. Woodward.

A study of contemporary educational systems of other nations.

147. Research work in Philosophy of Education.—Autumn, Winter, or Spring. Woodward and Nuttall.

Students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic, embodying the results of independent work. The consent of the instructor is necessary before registering.

148. Thesis Work.—Time to be arranged. From four to eight hours credit, depending upon the problems.

The work of this course is largely individual research. The material and the problems studied will be in connection with the master's thesis. Ability to think independently and organize is a prerequisite.

150. Graduate Seminar in Education.—Each alternate Monday from 7:00 to 9:00 P. M.

PHYSICAL EDUCATION

Professor Romney, Dr. Cullimore, Dr. Oaks, Dr. Merrill,
Assistant Professor Hart, Miss Jeppson, Mr. Leaf,
Mr. Dixon, Mr. Raile, Miss Iverson

The purpose of the department is primarily to conserve the health and vitality of the students, to establish correct motor habits and educate for wholesome and efficient living. To offset the undesirable effects of sedentary school life, vigorous exercises in the form of games, gymnastics and competitive athletics are offered. Instruction is given in personal hygiene in connection with the exercise period so that the students may have a theoretical basis as a guide to correct living.

A thorough physical and medical examination will be given each new student upon entering the institution. All freshmen are required to take Physical Education 11, 12 and 13. Upper-classmen are urged to engage in some form of physical exercise. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

Students interested in intercollegiate athletic competition in any form will be given opportunity to try out for the athletic teams representing the University and in case they display sufficient ability to be chosen as members of these teams, they may substitute this work for the required courses in Physical Education.

The department also offers professional courses which are designed to prepare teachers in physical education, directors of athletics, supervisors of dancing and leaders in play and other forms of social and recreational activities.

Lower Division Courses

11. Elementary Physical Education.—Autumn, Three periods each week One hour credit. Women's sections at 9:30, 10:30, 2:30. Men's sections 10:30, 3:30 and 4:30. Dixon and Iverson.

This course is designed for and required of Freshmen students. It will include games, athletics, gym-

nastics, dancing, personal hygiene talks, health interviews, hikes, recreational activities, etc.

12. Elementary Physical Education.—Winter. One hour credit.

Continuation of Physical Education 11.

13. Elementary Physical Education. — Spring. One hour credit.

Continuation of Physical Education 12.

14. Advanced Physical Education. — Autumn Two periods a week at 2:30. One hour credit. For men and women. Hart and Iverson.

Prerequisite, Physical Education 11, 12, 13. This course will embrace instruction in more advanced types of physical educational activities including gymnastics, apparatus exercises, dancing, etc. Required of students majoring in Physical Education.

15. Advanced Physical Education.—Winter. One hour credit.

Continuation of Physical Education 14.

16. Advanced Physical Education.—Spring. One hour credit.

Continuation of Physical Education 15.

21. Physical Education for Grade Teachers.— Winter, T. Th., 3:30. One hour credit. Jeppson.

This course is designed to prepare students taking the Normal Training course for the teaching of gymnastics, games, folk dancing, rhythmic exercises, etc., to the children in grade school. Methods of planning and conducting exercise periods will be taught and abundant opportunity for practice in teaching under expert supervision will be given. The course will deal also with the common physical asymmetries to be found among school children and how to detect and treat these defects. A study will be made of school furniture and school work as to their effects upon the growing child.

Every student will be expected to train one month during the recess periods of the training school. Required of all Normals.

22. Physical Education for Grade Teachers.—Spring. One hour credit. Jeppson.

Continuation of course 21.

26. Elementary Folk Dancing.—Autumn. Two periods each week, 9:30. One hour credit. Required of women majoring in Physical Education. Jeppson.

This course will offer instruction in the elementary types of folk and national dances.

27. Elementary Folk Dancing.—Winter. Two periods each week. 9:30. One hour credit. Required of women majoring in Physical Education. Jeppson.

This will be a continuation of Physical Education 26.

28. Elementary Folk Dancing.—Spring. Two periods each week. 9:30. One hour credit. Required of women majoring in Physical Education. Jeppson.

This will be a continuation of Physical Education 27.

31. Elementary Interpretative Dancing.—Autumn. Two periods each week. 2:30. One hour credit.

This course will offer instruction in the fundamentals of grace and rhythm.

32. Elementary Interpretative Dancing.—Winter. Two periods each week. 2:30. One hour credit.

Continuation of Physical Education 31.

33. Elementary Interpretative Dancing.—Spring. Two periods each week. 2:30. One hour credit.

Continuation of Physical Education 32.

Upper Division Courses

51. Athletic Coaching and Directing—Foot Ball.—Autumn. Four periods each week. 2:30. Three hours credit. Romney and Dixon.

This course is designed to prepare students for the coaching of foot ball. It will deal with the fundamentals of the game, methods of working out plays, systems of offense and defense, the conditioning of teams, etc. Required of all men majoring in Physical Education.

52. Athletic Coaching and Directing—Basket Ball Wrestling, and Boxing.—Winter. Four periods each week. 2:30. Three hours credit. Romney and Raile.

This course is designed to prepare for the coaching of basketball, wrestling and boxing. Students will be thoroughly drilled in these athletic sports and will be taught methods of teaching and coaching them. A large part of the work will deal with diet of athletes and the best methods of getting them into condition for competition. Required of all men majoring in Physical Education.

53. Athletic Coaching and Directing—Track, Field, Base Ball, and Tennis.—Spring. Four periods a week. 2:30. Three hours credit. Romney, Hart Dixon and Raile.

This course will deal with the technique of training for the various events in track and field athletics, base ball and tennis. Methods of conducting field meets and tournaments will be taught and the students given experience in assisting and coaching. Required of all men majoring in Physical Education.

Athletics for Women.—Autumn. M. W. F., 4:30. Two hours credit. Jeppson.

A coaching course in the minor sports including field hockey, soccer, and archery. Required of women majoring in Physical Education.

55. Athletics for Women.—Winter. M. W. F., 4:30. Two hours credit. Jeppson.

Continuation of course 54. Coaching in volley ball, catch ball and basketball. Required of women majoring in Physical Education.

56. **Athletics for Women.**—Spring. M. W. F., 4:-30. Two hours credit. Jeppson.

Continuation of course 55. Coaching in track, base ball and tennis. Required of women majoring in Physical Education.

58. **Swimming.**—Winter. M. W. F. One hour credit. Leaf.

This course will deal with instruction in swimming, diving, life-saving, swimming games, and competition in various forms of aquatic sport. Required of all students majoring in Physical Education.

59. **Swimming.**—Spring. M. W. F. One hour credit. Leaf.

Continuation of Physical Education 58.

61. **Advanced Interpretative Dancing.**—Autumn. Two periods each week. 8:30. One hour credit.

This course will offer instruction in dance technique and various interpretative dance forms.

62. **Advanced Interpretative Dancing.**—Winter. Two periods each week. 8:30. One hour credit.

Continuation of Physical Education 61.

63. **Advanced Interpretative Dancing.**—Spring. Two periods each week. 8:30. One hour credit.

Continuation of Physical Education 62.

71. **Play and Game Supervision.**—Three periods each week. 8:30. Three Hours credit. Jeppson and Dixon.

This course will deal with the theory and practice of play and game supervision. A thorough study of the educational, social, physical and hygienic values of play will be made. During the Autumn quarter the play activities of the first few years of a child's life will be studied and methods of supervising these activities will be taught. Required of all students majoring in Physical Education.

72. Play and Game Supervision.—Winter. Three periods each week. 8:30. Three hours credit. Jeppson and Dixon.

Prerequisite Physical Education 71. This course is a continuation of Physical Education 71. It will deal with the play activities of the period later in childhood. Required of all students majoring in Physical Education.

73. Play and Game Supervision.—Spring. Three periods each week. 8:30. Three hours credit. Jeppson and Dixon.

Prerequisite: Physical Education 71 and 72. This course is a continuation of Physical Education 72. A study will be made of the play needs of older children and the best methods of meeting these needs. During this course a thorough study of playgrounds will also be made which will cover playground equipment, etc. Required of all students majoring in Physical Education.

74, 75, 76. Social and Recreational Leadership.—For description of course see Religious Education 74, 75, 76.

77, 78, 79. Scoutcraft.—For description of course see Religious Education 77, 78, 79.

81. Advanced Folk Dancing.—Autumn. Two periods each week. 10:30. One hour credit. Required of all women majoring in Physical Education. Jeppson.

This course will include a study of the more complex and difficult forms of folk and national dancing.

82. Advanced Folk Dancing.—Continuation of Physical Education 81. Winter. Two periods each week. 10:30. One hour credit. Required of all women majoring in Physical Education. Jeppson.

83. Advanced Folk Dancing.—Spring. Two periods each week. 10:30. One hour credit. Required of all women majoring in Physical Education. Jeppson.

91. Applied Anatomy and Kinesiology.—Autumn. Five periods each week. 10:30. Five hours credit. Dixon.

Prerequisites: Physical Education 11, 12, 13, 14, 15, 16 and a good college course in psychology. This course will take up the anatomy of the human body with emphasis upon the study of bones, joints, and the skeletal muscles. Careful examination of gymnastic and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercises will also be made. Required of all students majoring in Physical Education.

92. Methods of Teaching Physical Education.—(See Secondary Teaching 66). Winter. Four periods each week. 10:30. Four hours credit. Hart.

Prerequisite, Physical Education 91. This course will deal with a study of the various gymnastic systems, methods of gymnastic teaching, content of exercise periods, arrangement of exercises, methods of commanding and directing, etc. This course will be helpful to all teachers in elementary and high school. Required of all students majoring in Physical Education.

***93. Physical Education Administration.**—Spring. Four periods each week. 10:30. Four hours credit. Romney.

This course will deal with the organization and administration of departments of physical education and athletics in high school and college and the proper balancing of various activities associated with these departments. The course is designed for Physical Directors, School Principals, Recreational Directors, etc. Required of all students majoring in Physical Education. Open to all graduates.

95. Physical Diagnosis and First Aid.—Winter. Three periods each week. Two hours credit. Raile.

This course will deal with physical examinations,

measurements, tests and records, with methods of administering first aid and with the essentials in conditioning athletes. Prerequisites, Zoology 65 and Physical Education 91. Required of all students majoring in Physical Education.

PHYSICS

Professor Eyring; Associate Professor Marshall; Mr.
Peterson, Mr. _____

Students who expect to study medicine, engineering, chemistry, or who are planning to major in the department of Physics should begin their study of physics by electing courses 41, 42, and 43.

Non-science students may elect with profit course 11, which may be taken without prerequisite and which is organized with the view of giving the student an appreciation for his physical environment.

Students majoring in physics have the following courses prescribed: Physics 41, 42, 43, 87, and some sequence such as Physics 56, 57, 75, 77, 78, 88, 89, or Physics 65, 66, 67, 68 69, 70, 86. Courses 88, 89, and 99 are especially recommended for students who plan to be high school teachers.

Lower Division Courses

11. A Survey Course in Physics.—Autumn, Winter, and Spring. Lecture, M. W. F., 10:30. Laboratory M. or W. 3:30 to 5:30. Four hours credit. Eyring.

A careful study of selected topics in elementary physics in which the development of the principles and their applications to human welfare will be stressed. This is an orientation course designed for the non-science student who wishes to obtain some information in this field, and will be repeated each quarter. (Not given this year.)

41. General Physics—Mechanics and Sound.—Autumn. Daily. 1:30 to 3:30. Five hours credit. Mr. _____.

This course and courses 42 and 43 constitute a general college course in physics. The completion of this general course will satisfy the requirements in physics for engineering and medical students, and it is a prerequisite for all the more specialized courses in physics. Freshman or Sophomore year.

42. Electricity.—Winter. Daily, 1:30 to 3:30. Five hours credit. Mr. _____. Continuation of 41.

43. Heat and Light.—Spring. Daily, 1:30 to 3:30. Five hours credit. Mr. _____. Continuation of 42.

Upper Division Courses

56. Molecular Physics and Heat.—Winter. M. W., 10:30. Three hours credit. Marshall.

Kinetic theory of gases, theory of Brownian movements, methods of measuring molecular magnitudes, laws of thermodynamics and their application to gases, osmotic pressure, change of state, etc. Prerequisites, Calculus and Physics 41, 42, 43.

57. Experimental Physics—Molecular Physics and Heat.—Winter. Two hours credit. Marshall.

Measurements of specific heat of gases; density, depression of the freezing point, and raising of boiling point of different solutions, etc., viscosity of liquids and gases, high temperatures. Prerequisite, Physics 56.

65. Electricity and Magnetism.—Autumn. M. W., 3:30. Two hours credit. Marshall.

General principles of magnetism, and electro-magnetism. Static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites, Calculus and Physics 41, 42, 43. (Not given this year.)

66. Electricity and Magnetism.—Winter. Two hours credit. Marshall.

Continuation of 65. M. W., 3:30. (Not given this year.)

67. Experimental Physics, Electricity and Magnetism.—Autumn. Two hours credit. Marshall.

Use of potentiometers, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field, etc. This course should be taken in connectin with course 65. Prerequisites Physics 41, 42, 43. (Not given this year.)

68. Experimental Physics.—Winter. Th. and F., 3:30-6:30. Two hours credit. Marshall.

Electricity and Magnetism. Continuation of 67.

69. Radio Instruments and Measurements.—Spring. T. Th., 8:30. Two hours credit. Marshall.

A study of the properties of oscillatory circuits, and the thermionic vacuum tube as a detector, amplifier, and oscillation generator. Prerequisites, Physics 66 and 68. (Not given this year.)

70. Experimental Physics, Radio Instruments and Measurements.—Spring. Two hours credit. Marshall.

Laboratory work designed to accompany Physics 69. Two two-hour laboratory periods per week; time to be arranged. (Not given this year.)

75. Experimental Optics.—Autumn. Four hours credit. Marshall.

During the first part of the course experiments outlined in Taylor's Manual of Optics will be performed, and during the last part special work with the echelon and concave grating will be given. Lecture M. W., at 10:30. Laboratory M. F. from 3:30 to 6:30.

77. Sound.—Spring. M. W. 10:30. Two hours credit. Marshall.

Advanced course in sound and the theory of vibrating systems Such topics as vibrating systems, resonators and accoustic filters, sound transmission and radiation, and accoustics of auditoriums will be discussed.

78. Experimental Physics, Sound.—Spring. Two hours credit. Marshall.

Laboratory work designed to accompany Physics 77.

86. Analytical Mechanics.—Spring. M. T. Th. F., 8:30. Four hours credit. Marshall.

Fundamental equations of mechanics and their application to physical problems Prerequisites, Calculus and Physics 41, 42, 43.

87. Laboratory Arts.—Autumn, Winter or Spring T. and Th. 3:30 to 6:30. Two hours credit. Marshall.

Glass blowing, frilling, grinding and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in physical laboratory.

88. Development of Physics.—Autumn. T. and Th., 10:30. Two hours credit. Eyring.

Designed to acquaint the prospective teacher with the historical development and modern trend of Physics. (Not given this year.)

89. Development of Physics.—Winter. T. and Th., 10:30. Two hours credit. Eyring.

Continuation of 88. (Not given this year.)

92. Readings in Modern Physics.—Credit 1 to 3 hours depending on the work done. Marshall.

A reading course designed to acquaint the student with new material which may not have been included in the regular courses.

99. Teaching of Physics.—(See Secondary Teaching 65.) Autumn. M., W., 3:30. Two hours credit. Peterson.

Required of seniors taking teaching majors in physics.

Graduate Courses

101. Theories of Modern Physics.—Autumn. T. Th. Two hours credit. Eyring or Marshall.

A general survey of such topics as; The Principles of Relativity; The Quantum Theory; The Structure of the Atom; etc.

102. Electron Theory.—Winter, T. Th. Two hours credit. Eyring or Marshall.

Continuation of electricity through gases, thermionic and photoelectric phenomena, electron theory of electric conduction and thermoelectric currents, etc.

103. Quantum Theory and Atomic Structure.—Spring. T. Th. Two hours credit. Eyring or Marshall.

Origin and development of the quantum hypothesis and its application to molecular physics, photoelectricity, and optics. The Bohr atom and other atomic and molecular models, etc.

105.—Introduction to Theoretical Physics.—Autumn. M. W. F. Three hours credit. Eyring or Marshall.

106. Introduction to Theoretical Physics.—Winter. M. W. F. Three hours credit. Eyring or Marshall.

Continuation of 105.

107. Introduction to Theoretical Physics.—Spring. M. W. F. Three hours credit. Eyring or Marshall.

Continuation of 106.

110. Research.—Credit in proportion to the work done and the problem solved. Eyring and Marshall.

POLITICAL SCIENCE

Professor Jensen; Dr. Ballif

Lower Division Courses

10. National Government of the United States.—Autumn, 10:30. Three hours credit. Jensen.

An examination of the historical development of the American Government; origin and growth of the Constitution; constitutional rights of the citizen; a detailed study of the executive, legislative, and judicial departments of the national government. This course should be elected in the freshman year by all who intend to major in Political Science, to be followed in the Winter quarter by Political Science 11.

11. State and Local Government in the United States.—Winter, 10:30. Three hours credit. Jensen.

The nature of federal government; the evolution of states from territories; place of the states in the nation; a study of the executive, legislative, and judicial branches of state government.

12. Political Parties and Party Government.—Spring, 10:30. Three hours credit. Jensen.

A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; the party system in leading European countries.

43. Commercial Law.—Autumn, 8:30. Four hours credit. Ballif. (See Finance and Banking 21.)

Fundamental notions concerning legal principles and institutions; the law governing the formation, operation and effect, and performance of contracts; the law governing the acquisition and transfer of title to real and personal property, and rights based thereon. Leading cases decided by the courts will be examined.

44. Commercial Law.—Winter, 8:30. Four hours credit. Ballif. (See Finance and Banking 22.)

A study of law governing Negotiable Instruments, emphasizing the essential characteristics of this class of contracts and its commercial importance, together with rights and liabilities of parties thereto; also a study of the law governing sales of personal property as distinguished from gifts, barter, and bailments. Reference will be made to the leading cases decided by the courts.

45. Commercial Law.—Spring, 8:30. Four hours credit. Ballif. (See Finance and Banking.)

A study of the law governing relationships arising out of business associations; Agency, Partnerships, and Corporations will be studied by an examination of the leading cases decided by the courts.

Upper Division Courses

50. Principles of Political Science.—Spring, 9:30. Four hours credit. (Not given this year.)

This course aims to present a systematic study of the principles of political science. It deals with the scope and methods of political theory; the origin, basis and nature of the state; sovereignty; the structure and province of government; citizenship and nationality. This course should be taken by all who major in Political Science.

53. History of American Political Thought.—Spring. 8:30. Two hours credit. Jensen.

A study and interpretation of American political ideas from the colonial period to the present with an examination of their influence in the development of American history and government.

63. Municipal Government.—Spring, 9:30. Four hours credit. Jensen.

A study of municipal growth and development in the United States and in some of the principal European countries. Attention is given to municipal struc-

ture, organization, and administration. Among the subjects treated in their relation to municipal government are: the history of municipal growth, public improvements, finances, home rule, legal status, politics, and municipal ownership.

73. Comparative Constitutional Government.—Autumn, 9:30. Four hours credit. (Not given this year.)

A study of the organization and operation of the governments of England, France, Italy, Germany, Switzerland, and Russia. Attention is also given to some of the new European governments.

80. International Law.—Autumn, 9:30. Four hours credit. Jensen.

A study of the sources, principles, and sanctions of international law; the law of peace, war, and neutrality. Attention is given to the problems growing out of the World War, and to the resulting modifications of international law.

82. History of American Foreign Policy.—Winter, 9:30. Four hours credit. Jensen.

This course traces the history of American foreign relation from the colonial period to the present. Attention is given to the principal issues of diplomatic controversy and settlement.

83. International Relations.—Winter, 9:30. Four hours credit. (Not given this year.)

Problems of nationalism and internationalism, Latin-American relations, evolution of the Monroe Doctrine, problems of imperialism, settlement of international disputes, the Hague tribunal, the League of Nations, Permanent Court of International Justice, etc.

90. The Constitution of the United States.—Winter, 8:30. Two hours credit. Jensen.

This course deals with the history and development of the Constitution of the United States. A study

is made of its fundamental provisions, their interpretation, and their application in the functioning of the American system of government.

Graduate Courses

- 150. Principles and Problems of Political Science.
- 153. American Political Theories.
- 156. Public Opinion.—(Not given this year.)
- 163. Municipal Problems.
- 174. English Government and Politics.
- 175. The British Commonwealth of Nations.—
(Not given this year.)
- 176. The Government and Administration of Germany.
- 180. International Law as Administered by the Courts.
- 181. The Conduct of American Foreign Relations.
- 182. History and Problems of American Foreign Policy.
- 183. International Relations and World Politics.
- 190. Constitutional Law of the United States.
- 193. Public Administration.—(Not given this year.)

PSYCHOLOGY

Professor Poulson, Assistant Professor Dusenberry

Suggestions as to courses.—Psychology 11 is the standard foundation course which is usually made a prerequisite to all other courses in university departments of psychology. The courses especially recommended to follow it are:

General Cultural Interests:—Psychology 65, 70, 71, 72, 73, 75, 77, 101, 102, and 104.

Business Interests:—Psychology 64, 65, 70, 75.

Educational Interests:—Psychology 65, 70, 72, 73, 75, 76, 77, 104, and 110. For fulfilling State Board requirements, Psychology 21 is intended for prospective elementary school teachers and Psychology 72 for junior and senior high school teachers. Other psychology courses in addition to these minimum requirements may be used very appropriately to make up some of the electives in professional subjects for state certification.

Psychology Major:—Credit must include not less than ten quarter hours selected from Psychology 65, 75, 76, 81, 82, 83, 101, 102, 103, 104, and 105. Credit must also be presented in two or more of the following subjects: human physiology, statistical methods, anthropology and modern philosophy.

Lower Division Courses

11. General Psychology.—Autumn. Daily, 9:30
Winter. Daily, 10:30. Spring. Daily, 9:30. Five hours credit. Poulson.

An introductory study of mental activity covering in a general way the whole field of modern psychology. Several periods during the course will be devoted to a brief and elementary consideration of certain problems of mental hygiene and the psychology of effective study. Approximately one-fifth of the course will consist of simple laboratory experiments.

21. Elementary Educational Psychology.—Repeated each quarter. Section 1, M. W. F., 9:30. Section 2, M. W. F., 10:30. Three hours credit. Dusenberry.

This course is designed to present the facts as far as they have been scientifically determined, concerning the nature and development of the mind, with special meaning of these facts as applied to the principles of teaching. An analysis is made of such problems as arise in the curriculum in connection with methods of instruction, management, and guidance.

25. Psychology of Effective Study.—Autumn. T. 3:30. One hour credit. Poulson.

A simple course in applied psychology designed especially to help freshmen who desire to improve their habits of study.

Upper Division Courses

64. Business Psychology.—Autumn, M. W. F., 10:30. Three hours credit. Poulson.

A brief consideration of the contributions of scientific psychology in the fields of advertising, salesmanship, vocational selection, and personal management. Prerequisite: Psychology 11 or its equivalent.

65. Experimental Psychology.—Winter. Laboratory M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Two hours credit. Poulson.

Laboratory experiments in general, business, or educational psychology. Good form in the tabular and graphic presentation of experimental data and the proper interpretation of these will receive emphasis. Prerequisite. Psychology 11, 21, 64, or 72 according to the type of further training the student wishes to receive.

***70. Social Psychology.**—Winter, M. W. F., 8:30. Three hours credit. Poulson.

A study of mental life as conditioned by the social environment. Habit, impulse, and intelligence in relation to social conduct. Nature and development of personality. Development and psychological significance of social institutions. Important educational implications of social psychology. Prerequisite: Psychology 11 or its equivalent.

***71. Psychology of Religion.**—Spring, T. Th., 11:30. Two hours credit. Poulson.

A consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisites: Psychology 70 or 77.

***72. Advanced Educational Psychology.**—Autumn. M. W. F., 8:30. Winter, M. W. F., 9:30. Spring, M. W. F., 8:30. Three hours credit. Poulson.

A brief consideration of certain important phases of the psychology of secondary education such as the laws of economical learning, psychological investigations of the various school subjects, how we think, and individual differences. Prerequisite: At least three hours of lower division psychology.

***73. Psychology of Adolescence.**—Autumn, T Th. 11:30. Two hours credit. Poulson.

This course is especially adapted to help furnish practical teachers and community leaders with a more intelligent understanding of human nature as exhibited in boys and girls during the period of adolescence. Prerequisite: Psychology 11 or its equivalent.

***75. Mental Tests.**—Autumn, T. Th. 8:30. Two hours credit. Poulson. (Alternates yearly with Psychology 101.)

History, theory, and technique of intelligence testing. Various types of tests and the manner of determining their validity. Scientific interpretation of test results. It is suggested that all prospective users of psychological tests will do well to take Psychology 76 following this course. Prerequisite: Psychology 11 or 21.

***76. Technique of Mental Testing.**—Winter. Six hours of laboratory or field work per week. Time to be arranged. Two hours credit. Poulson.

Supervised training in the giving of various types of psychological tests. Scientific interpretation and application of test results. Prerequisite: Psychology 75 or equivalent.

***77. Psychology of Childhood.**—Spring. T. Th. 8:30. Two hours credit. Poulson. (Alternates yearly with Psychology 102.)

A specialized course dealing with the mental de-

velopment of the pre-school and elementary school child. Mental hygiene problems and the recognition and training of dull and gifted children will be considered from the psychological point of view. Psychology 75 and 76 are valuable antecedents of this course. Prerequisite: Psychology 11 or 21.

***81, 82, 83. Seminar in Psychology.**—Autumn. Winter. Spring. Time to be arranged. One hour credit each quarter. Poulson.

Recent and current literature in theoretical and experimental psychology will be reviewed. Prerequisite: At least ten hours of credit in psychology.

92. Psychology in Religious Education.—Winter. T. Th., 11:30. Two hours credit. Poulson.

An advanced specialized course dealing with the application of psychology to the more efficient teaching of religion. Prerequisite: Psychology 73 or Theology 91.

Graduate Courses

101, 102. Advanced General Psychology.—Three hours credit each quarter. Poulson. (Alternates yearly with Psychology 75 and 77.) (Not given this year.)

A general review of the field and a comparative study of various contemporary systems of psychology. Prerequisite: At least ten hours of credit in psychology.

103. Advanced Experimental Psychology.—Winter. Lecture T., 8:30. Laboratory, M. W. F., 3:30-5:30 or equivalent number of hours to be arranged. Three hours credit. Poulson.

A course designed to give students some preliminary training for independent research in psychology. Prerequisites: Psychology 11 or its equivalent and senior or graduate classification.

104. Abnormal Psychology.—Three hours credit.

Poulson. (Alternates yearly with Psychology 105. Not given this year.)

A consideration of the psychology of abnormal people with emphasis upon the light thrown on normal psychology and important educational applications. Prerequisite: Psychology 11 or its equivalent and senior or graduate classification.

105. Special Topics in Psychology.—Spring. Probably M. W. F., 7:30. Two or three hours credit. Poulson. (Alternates yearly with Psychology 104.)

This course provides for the individual or group study by advanced students of certain important topics in psychology which are not specifically organized into courses. For this year the topic chosen will probably be either of Psychology or Comparative Psychology. Prerequisite: The consent of the instructor.

110. Thesis in Psychology.—Winter. Conference, Th. 8:30. Three to five hours credit. Poulson.

Research work in the preparation of an acceptable Master's thesis. Prerequisites: At least ten hours of upper division and graduate credit in psychology including Psychology 65 or 103. Also a course in statistical methods.

RELIGIOUS EDUCATION

Professors Brimhall, Woodward, Swenson, Hoyt, Nelson, Maw, Osmond, Reynolds, Martin, Nuttall, Jepperson-Madsen, Snow, Poulson, P. A. Christensen, Cannon, Tanner, Cottam, De Jong, G. Hansen; Associate Professors J. M. Jensen, Sudweeks, Clarence S. Boyle; Assistant Professors Madsen, Dusenberry, Rowe, Lambert, Hart; Mr. Morley, Mr. Dixon, Mr. Peterson, Mrs. Carroll, Miss Iverson.

Students who wish to specialize for work with pre-adolescent children in the various auxiliary organizations of the church will be permitted to supplement the regular courses of the department for a major in Theology from the following:

Elementary Teaching 1, 16, 20, and 60; Psychology 70 and 79. Courses especially recommended for these students are: Theology 16, 17, and 18, Elementary Teaching 1 and Psychology 79.

Students wishing to specialize for work with adolescents and adults in church service may include in their Theology major courses selected from the following: Educational Administration 75, Philosophy of Education 88, 89, Psychology 70, 77, Secondary Teaching 54, and Sociology 65. Courses especially recommended for these students are: Theology 57, 58, 59, 74, 75, 76, 77, 78, 80, 84, 85, 86, 91, 92, and 93; Psychology 73, and Secondary Teaching 54.

Lower Division Courses

1. Problems of the Religious and Ethical Life.—Autumn. T. Th., 11:30. Two hours credit. De Jong and C. S. Boyle.

The student just entering college is aided in the solution of problems incident to his environment. The course treats the general significance and meaning of religion and morals, their origin and their interrelation in the formation of standards of conduct. It also deals with the concepts of right, duty, conscience, and character. The approach is made through a study of a series of practical problems.

2. Problems of Religious and Ethical Life.—Winter. T. Th., 11:30. Two hours credit. De Jong, C. S. Boyle, and P. A. Christensen.

A treatment of the practical aspects of religion and morality, with attention to the cultivation of those personal virtues that are the foundation of character. The influence of religious ideals in the development of personal codes and standards; the application of formulated codes and standards to the solution of personal and social problems.

3. Problems of Religious and Ethical Life.—Spring. T. Th., 11:30. Two hours credit. Cummings, De Jong, C. S. Boyle, and P. A. Christensen.

The individual's ethical relation to others as applied to his activities in cooperation with others. His responsibility in the promotion of ideals and standards through his functions in church and organizations for social welfare. The ethics of citizenship.

4. Literature of the Bible.—Autumn. T. Th., 11:30. Two hours credit. Reynolds, Carroll.

A study of the prose forms of the Old Testament from a literary point of view. While content will be considered, attention will be given to doctrine. Freshmen students will be admitted only by the consent of the instructors.

5. Literature of the Bible.—Winter. T. Th., 11:30. Two hours credit. Reynolds, Carroll.

A study of the poetry and wisdom literature of the Old Testament including Job and Isaiah. Freshmen students will be admitted only by the consent of the instructors.

6. Literature of the Bible.—Spring. T. Th., 11:30. Two hours credit. Reynolds, Carroll.

A study of the literary forms of the New Testament. Parts of all the books will be considered. Freshmen students will be admitted only by the consent of the instructors.

7. Ethics and Doctrines of Jesus.—Autumn. T. Th., 11:30. Two hours credit. Martin.

This course consists of a study of the fundamental principles of right conduct as taught by our Saviour. The four great topics that will be taken up are as follows: The source of Christ's ethics; the nature of Christ's ethics; the spread of Christ's ethics; and the application of Christ's ethics to the problems of the present day. Text—New Testament.

8. Ethics and Doctrines of Jesus.—Winter. Two hours credit. Martin.

Continuation of course 7.

9. Ethics and Doctrines of Jesus.—Spring. Two hours credit. Martin.

Continuation of course 8.

10. Foundations and Fruits of Mormonism.—Autumn. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, and Peterson.

The aim of this course is to enlarge knowledge and to develop attitudes and abilities that will enable the students to appreciate the Book of Mormon as a great revelation from God. Incidents connected with the discovery of the plates, the translation of the records, the publication of the book; the contents of the Book of Mormon, and proofs of its authenticity are themes which will be discussed. Assigned reading, lectures, and discussions.

11. Foundations and Fruits of Mormonism.—Winter. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, and Peterson.

A continuation of course 10. The evidences of the authenticity of the Book of Mormon, as found in the doctrinal and ethical teachings of its contents will be considered. A comparison will be made of the teachings of the Book of Mormon writers with the teachings of the writers of the Bible, as well as other great writers and teachers.

12. Foundation and Fruits of Mormonism.—Spring. T. Th., 11:30. Two hours credit. A. N. Merrill, Hoyt, and Peterson.

This course is designed to give information concerning the achievements of the Church in the establishment of new theological ideas and concepts, its educational and missionary systems, its achievements in colonization, its temple activities and temple work.

13. Prophecy and Promise.—Autumn, Winter, or Spring. T. Th., 11:30. Two hours credit. Rowe.

This course deals with the prophet and his prob-

lems; the source of prophecy; the prophecies of the Bible, Book of Mormon, Doctrine and Covenants, and Church History. Special attention is given to the promises, conditional and unconditional, contained in the Doctrine and Covenants, and to the prophecies of Joseph Smith, fulfilled and yet to be fulfilled.

14. Genealogy.—Winter or Spring. T., Th., 11:30. Two hours credit. Sudweeks.

This course deals with such subjects as the place of genealogy in the plan of salvation, our responsibility to our dead ancestors, genealogical research, the pedigree, the family record, temple sheets, and temple ordinances.

15. Comparative Christian Religions.—Autumn, Winter or Spring. T. Th., 11:30. Two hours credit. J. M. Jensen.

A study of the important Christian religions of the present day: Catholicism; some of the important sects of Protestantism; Christian Science; and the Salvation Army movement. The origin and history of each will be considered at sufficient length to give a background for a careful analysis of the principles and branches of the modern Christian churches. The course is designed to be of special value to those who may later travel as Latter-Day Saint missionaries.

16. The Religious Life and Its Development.—Autumn. T. Th., 11:30. Two hours credit. Dusenberry.

This course deals with the nature of childhood religion, methods of studying children, and the aims of religious education for the various stages of development. Certain problems of teaching that are fundamental to the promotion of growth in religion and germane to the conditions of religious teaching in the home the school and the church, such as training children to think correctly about problems of conduct and social relations; the religious educational power of the family;

the practice of prayer; the meaning of faith; the place of the story in religious training; our religious, inherited equipment; the relation of religion and morals; the accumulation and selection of material for religious education.

17. The Religious Life and its Development.—Winter. T. Th., 11:30. Two hours credit. Dusenberry.
A continuation of course 16.

18. The Religious Life and its Development.—Spring. T. Th., 11:30. Two hours credit. Dusenberry.
A continuation of course 17.

19. Doctrine and Discourse.—Autumn. T. Th., 11:30. Two hours credit. Cannon and Morley.

A study of the religious beliefs of the Latter Day Saints concerning: The divine call of Joseph Smith as a prophet; God and the Holy Trinity; the fall of man and his redemption. With each subject will be given training in the preparation and delivery of discourses.

20. Doctrine and Discourse.—Winter. T. Th., 11:30. Two hours credit. Cannon, and Morley.

A continuation of 19, with a study of Latter-Day Saints beliefs concerning: baptism; authority in the ministry; the Church plan of Organization; spiritual gifts; also training in the preparation and delivery of discourses.

21. Doctrine and Discourse.—Spring. T. Th., 11:30. Two hours credit. Cannon, and Morley.

A continuation of 19 and 20, with a study concerning the Scriptures, both ancient and modern; Israel and Zion; man's relation to man-made institutions; also training in the preparation and delivery of discourses.

22. Hymnology and Music Directorship.—Autumn, T. Th., 11:30. Two hours credit. Madsen.

Study of the historical, doctrinal, prophetic, poetic, and esthetical content of songs and hymns of the Latter-day Saints. They are classified according to their dominant features poetically and musically and are emphasized according to their value to humanity. Special training in the essentials of church music leadership and rudimentary conducting is one of the most important features of the course.

23. Hymnology and Music Directorship.—Winter T. Th., 11:30. Two hours credit. Madsen.

A continuation of course 22.

24. Hymnology and Music Directorship.—Spring. T. Th., 11:30. Two hours credit. Madsen.

A continuation of course 23.

Upper Division Courses

54. Life and Teachings of Christ.—Autumn. T. Th., 11:30. Two hours credit. Swenson and Maw.

The course is based on the text of the four gospels. Emphasis is placed on the application of church principles and ideals as they relate to our present time.

55. Life and Teachings of Christ.—Winter, T., Th., 11:30. Two hours credit. Swenson and Maw.

Continuation of course 54.

56. Life and Teachings of Christ.—Spring, T., Th., 11:30. Two hours credit. Swenson and Maw.

Continuation of course 55.

***57. Philosophy and Life.**—Autumn, T., Th., 11:30. Two hours credit. Osmond.

A discussion of the fundamental principles of philosophy, science, and religion and their inter-relations. A brief historic sketch of Greek philosophy is given as an introduction to a more careful study of Realism, Mysticism, Rationalism, and Idealism.

***58. Philosophy and Life.**—Winter, T., Th. Two hours credit. Osmond.

A continuation of course 57. A comparative study of natural and revealed religion. The seven fundamental natures of man, the negative and positive conditions of happiness, pleasure, joy, and tragedy and life, are the principal subjects discussed in this course.

***59. Philosophy and Life.**—Spring, T., Th., 11:30. Two hours credit. Osmond.

A continuation of course 58. This course is devoted to a study of the elements and agencies of redemption, the spiritual life, good and evil, the truth, the fine art of living, and the philosophy of conflict.

60. Comparative Religions.—Autumn. T., Th., 11:30. Two hours credit. Snow. (Not given this year.)

A general perspective of the important religions of the world. Among the religions considered are: Religions of primitive people of Babylonia and Assyria, Egypt, Judaism, Mohammedanism, Zoroastrianism, the religions of China, Japan, Greece, Rome, and of the Celts and Teutons. Some attention is also given to a study of the important Christian sects.

61. Comparative Religions.—Winter. T., Th., 11:30. A continuation of course 60. Two hours credit. Snow. (Not given this year.)

62. Comparative Religions.—Spring. T., Th., 11:30. Snow. (Not given this year.)
A continuation of course 61.

63. History of the Christian Church.—Autumn. T. Th., 11:30. Two hours credit.

Christianity a product of Mediterranean civilization created anew by the Messiah. A brief study of the oriental and classic culture and philosophy out of which emerged the Christian Church under the Teachings of Christ, Paul, the Church Fathers and the Clergy both lay and clerical. Attention will be given to the development of the Papacy, the conflict between orthodoxy and heresy, the rivalry of Empire and Papacy, the Con-

iliar movement, the Renaissance and Reformation and the diversity of religious beliefs and practices under the new spirit of tolerance and liberty. The present status of Christendom will conclude the year's work.

64. History of the Christian Church.—Winter. T., Th., 11:30. Two hours credit.
Continuation of course 63.

65. History of the Christian Church.—Spring. T., Th., 11:30. Two hours credit.

***71. Psychology of Religion.**—Spring. T., Th., 11:30. Two hours credit. Poulson.

A consideration of some of the most important results of the psychological study of religion as a basis for the interpretation of its meanings in personal and social life. Prerequisite: Psychology 70 or 77.

***73. Psychology of Adolescence.**—Autumn. T., Th., 11:30. Two hours credit. Poulson.
(See Psychology 77.)

74. Social and Recreational Leadership.—Autumn. T., Th., 11:30. Two hours credit. Hart and Iverson.

Social dancing. This course is designed to prepare students for teaching and supervising social dancing in wards and communities. Ballroom management and dance music will be given particular emphasis.

75. Social and Recreational Leadership.—Winter. T. Th., 11:30. Two hours credit. Hart and Iverson.

This course is designed to prepare leaders in directing home entertainment. Plans for special holiday parties, occasional informal affairs will be studied.

76. Social and Recreational Leadership.—Spring. T. Th., 11:30. Two hours credit. Hart and Iverson.

This course is given to meet the needs of church and school recreational leaders. The various forms of play for primary and secondary school, and church auxiliary organizations will be studied and workable plans

compiled. Each student will have opportunity for practice.

77. Scout Leadership.—Autumn. T. Th., 11:30. Two hours credit. Dixon.

A course designed especially for scoutmasters and prospective scout leaders. The first part of the course will consist of a series of short hikes on which the following topics will be studied: How to walk, packs for pedestrians, campmaking, fire-building, camp cookery, knots, hitches and lashings. The second part of the course will consist of a study of first aid, bandaging, personal and public health.

78. Scout Leadership.—Winter, T. Th., 11:30. Two hours credit. Dixon.

A continuation of course 77. The topics to be studied are: Organization of a Scout troop and its relationship to the Local Council and the National Council, Boy Scouts of America; the methods of troop management and the use of the patrol system; the psychology of the Boy Scout; scout stories and games.

79. Scout Leadership.—Spring, T. Th., 11:30. Two hours credit. Dixon.

A continuation of course 78. Signs, symbols, and signaling; pathfinding and mapmaking; trees, flowers, birds, common wild animals, and stars are the subjects to be studied in the classroom and while on short hikes.

***81. Religion and Philosophy.**—Autumn, T., Th., 11:30. Two hours credit. Woodward. This course will trace the development of the religious ideas of the Hebrew people from the patriarchal days to Christ, culminating in the idea of the eternal nature of the self, the universal brotherhood of man, and the idea of the universal fatherhood of a personal God. A study of the background of Old Testament literature and of the ancient philosophies which, in turn, help to determine the religious ideals, will be made. It is

assumed that this course will be followed by 82 and 83, which are a continuation of the problems of philosophy and religion.

***82. Religion and Philosophy.**—Winter, T., Th., 11:30. Two hours credit. Woodward. This course deals with a comparative study of Christian philosophy as expounded by Christ and the various practical and theoretical philosophies dominant at the present time. The teachings of Jesus will be compared with modern industrialism, the democratic ideal, mechanistic materialism, the democratic ideal, mechanistic materialism, and pluralistic personalism.

***83. Religion and Philosophy.**—Spring, T., Th., 11:30. Two hours credit. Woodward. This course will be an integrating course designed to bring together the principal problems in the two previous courses and to make a comparative study between the teaching of Jesus, modern philosophy, and Mormonism. This comparison will be made in a discussion of such topics as the nature of God, the nature of self; freedom of the will; eternal progression; immortality of the soul; salvation; birth, death and the resurrection; revelation and inspiration; man's relationship to God, prayer; the place of authority, ritual, and church organization; faith, love and knowledge;

84. Problems of the Religious and Ethical Life.—Autumn. T. Th. Two hours credit. Lambert.

This course will consider various theories of the fundamental nature of moral values. It is a study of certain proposed measures of the good life—Rationalism, Utilitarianism and Hedonism, Self-Realization, and Social Humanism, as these terms reflect important systems of ethical thought. It will be concerned with the manner in which ethical and moral codes come into existence. It considers morality and religion as inherent elements in human life, and it relates religious concepts to the building of moral character. Emphasis

is placed upon certain teachings of Jesus regarded as fundamental in any adequate system of moral values.

85. Problems of the Religious and Ethical Life.—Winter. T. Th. Two hours credit. Lambert.

This course is a study of how certain religious concepts relate to ethical thought and living. It will consider such concepts as Agency, Natural and Spiritual Rights, Liberty and Social Freedom, the Reign of Law, Obedience and Allegiance. Justice, Duty, the Moral Nature, The Kingdom of God.

***86. Problems of the Religious and Ethical Life.**—Spring. T. Th. Two hours credit. Lambert.

This course will be an application of ethical and religious principles to the solution of such personal problems as, What is the use of being good? How do religious beliefs stimulate and conserve the highest values? What is the place of the church in producing the good life? What part is played in the realization of the highest moral values by such concepts as immortality of the soul, eternal progression, revelation and inspiration, ritual and ceremonial organization, redemption and salvation? What is the measure of a moral and religious life? A study will be made of basic ethical concepts embodied in Mormon literature.

Religious Education Leadership.—The following three courses are especially designed for the preparation of class leaders, principals, and supervisors in the educational division of church activities.

***91. Materials of Religious Education.**—Autumn. T. Th., 11:30. Nuttall.

This is a professional course for teachers and officers in church organizations dealing with students of the secondary school and adult level. It will be concerned with objectives and choice subjective matter, including criteria for evaluation of subject matter. Types of material will be chosen representative of the principal church educational organizations.

***92. Psychology in Religious Education.—**Winter. T. Th., 11:30. Two hours credit. Poulson.

An advanced specialized course dealing with the application of psychology to the more efficient teaching of religion. Prerequisite, Psychology 77 or Theology 91.

***93. Methods in Administration and in Teaching Theology.—**Spring. T. Th. Two hours credit. A. N. Merrill.

This course is designed for those who are expecting to qualify for efficient service in directing teacher training, in supervising instruction, and teaching adolescent and adult students. It will deal with the best devices employed in directing and supervising theological instruction, and also with the most efficient methods of teaching for the attainment of definite purpose in the field of theology.

Graduate Courses

101. Anthropology.—Autumn. T. Th., 11:30. Two hours credit. Hansen.

A course covering the most important discoveries made by anthropologists in the old and new worlds and a discussion of their interpretations as they throw light upon the history of man. Open to junior, senior, and graduate students.

102. Anthropology.—Winter, T. Th., 11:30. Two hours credit. Hansen.

A continuation of course 101 with special reference to the American Indians.

103. Anthropology.—Spring. T. Th., 11:30. Two hours credit. Hansen.

A continuation of course 102. A discussion of current American anthropological problems.

104. Research in Religious Education.—Autumn,

Winter, or Spring. 11:30. Two to four hours credit. Lambert.

A course in technique or research as applied to problems in religious education and which will provide an opportunity for students to apply acceptable methods of investigation to problems in this field. Credit is based upon presentation of an acceptable paper embodying the results of independent work upon an approved problems.

105. Research Methods in the Social Sciences.—Spring. T. Th., 11:30 and W. 2:30. Three hours credit. Nelson.

It is recommended that students should have had Mathematics 13 or Educational Administration 79 before taking this course.

RURAL SOCIAL ECONOMICS

Professor Nelson, Assistant Professor Hart

Lower Division Courses

1. Principles of Agricultural Economics.—Autumn. 8:30. Three hours credit. Nelson.

An analysis from the standpoint of economics of the industry of agriculture. The place and importance of land in human welfare; the problems of what to produce, the choice of land, proportioning the factors of production, rent and profits, and tenancy, will be among those treated in the course.

21. Cooperative Marketing.—Winter. M. W. F., 8:30. Three hours credit. Nelson.

An analysis of the problem of cooperative marketing of agricultural products, from the standpoints respectively of farmers, middlemen, and consumers. Attention will be given to the factors which have made for success or failure in the history of cooperative marketing enterprises in America.

46. Rural Education.—(See Educational Administration 46.)

Upper Division Courses

52. The Mormon Village.—Autumn. 10:30., Three hours credit. Nelson.

The study of the village form of rural community as established by the Mormons in the Great Basin. Its historical antecedents. Factors which gave rise to it at a time when the prevailing mode of rural settlement in America was the isolated farmstead.

53. Rural Sociology.—Winter. M. W. F., 10:30. Three hours credit. Nelson.

A survey of social conditions in the rural life of America, with special reference to those social processes which are in operation at the present time, such as rural migration, standard of living, town and country relations, and changes in institutional life. Prerequisite, Rural Social Economics 52, or consent of instructor.

61. Farm Management.—Winter. 8:30. Three hours credit. Hart.

See Agronomy 61.

62. Farm Management.—Spring. 8:30. Three hours credit. Hart.

See Agronomy 62.

***91. Western Land Problems.**—Spring. 10:30. Three hours credit. Nelson.

A survey of the outstanding land problems of the Western States, particularly those of the Rocky Mountain division. Attention will be given to the questions of land utilization, reclamation, grazing, the public domain. Special class reports by students will be required. Prerequisite, Rural Social Economics 1.

Graduate Courses

101. Research.—Hours and credit to be arranged. Nelson.

104. Research Methods in the Social Sciences.—Spring. T. Th., 11:30; W., 2:30. Three hours credit. (See Religious Education 104.)

It is recommended that the student should have had either Mathematics 13, or Educational Administration 79, before taking this course.

SECONDARY TEACHING

Professors A. N. Merrill, Nuttall, Woodward, Eastmond, Nelson; Associate Professor Sudweeks; Assistant Professors Madsen, Maughan, Lambert, Jensen, Secondary Training School Faculty

The following courses in other departments may be used to fill a major in Secondary Teaching. Sociology 61, Philosophy of Education 89, 92, 145; Educational Administration 46, 77; Elementary Teaching 60; Psychology 72, 77.

Upper Division Courses

51. Organization, Administration, and Teaching Methods in Secondary Schools.—Autumn or Winter. 10:30. M. F. Two hours credit. Merrill.

This course is designed to include a study of methods of teaching in high school, necessary as a prerequisite for practice teaching. This is part of the course Organization and Administration of Secondary Schools as outlined in the certification requirement of the state. Courses 51 and 52, will be required for those desiring credit in practice teaching and recommendation to the State Board of Education for certification. In course 51 emphasis will be placed on methods of teaching in high school.

52. Organization and Administration of Secondary Schools.—Autumn, or Winter. 10:30, T. Th. Two hours credit. Nuttall.

During this course special attention will be given

to the problems of high school organization and administration.

54. Secondary Teaching.—Autumn, Winter and Spring. F., 10:30. Eight hours credit, four hours in each two quarters. Merrill, Lambert, Jensen, and Secondary Training School Faculty.

This is a course in practice teaching under supervision. Each student before receiving credit in the course will make a critical study of one good book on the special methods of teaching his major subject. Approximately 80 hours of participation and responsible class room teaching will be required, but success in the course will be determined by the quality of the work done, not by the number of hours teaching. The students begin by performing the simpler routine tasks of the class-room and preparing the assignments made to the pupils. They will be permitted to assume responsibility as rapidly as they show ability to do so. A certain minimum of responsible teaching in full charge of the class is required. Each student will train in his major subject unless special arrangements are made for training in other lines. A student should have Educational Psychology and Philosophy of Education 81 as prerequisites to this course. Secondary Teaching 51 and 52, are to be taken as parallel courses. Before a student is registered he must present from his major and minor professors a statement that his scholarship is sufficiently high to justify his teaching the subjects. Hours must be arranged with the Supervisor of Secondary Training before registering.

55. Junior High School Organization and Teaching.—Autumn. Two hours credit. Merrill. (Not given this year.)

This course will deal with the most vital problems in the organization and methods of teaching in the junior high school. The functions, the objectives, the curricula and courses of study, and technique of teaching on this level will be given special consideration. Stu-

dents will have the opportunity of observing in the Secondary Training School.

62. Methods of Teaching Art.—Autumn and Winter. Th., 3:30. One hour per week. Two hours credit. Eastmond. (See Art 54.)

Survey and planning of courses of study in graphic and applied art. Study and adaption of art materials Educational aims. Art projects as adapted to various localities.

63. Methods of Teaching Agriculture.—Autumn. 8:30. F. Two hours credit. Sudweeks.

A practical course in the application of methods to the teaching of Agriculture. Intended to accompany Secondary Teaching 54. For senior students who are preparing to teach Agriculture. Emphasis will be given to consideration of Smith-Hughes standards and requirements.

64. Methods of Teaching Music.—Winter. 8:30. T. Th. Two hours credit. Hanson.

A practical course in the application of methods to the teaching of music in the high schools. Intended to precede or accompany Secondary Teaching 54 for students who are making music a teaching major and for those who are preparing to teach music in the public schools. (See Theory of Music 76.)

65. Methods of Teaching Chemistry and Physics.—Autumn. M. W., 3:30. Two hours credit. Peterson.

This course deals with the objectives and methods of teaching chemistry and physics and their evaluation; types of laboratory records, text books, laboratory equipment and its selection and use; types of examinations; improving demonstration equipment, etc. Required of seniors taking teaching majors in chemistry or physics.

66. Methods of Teaching Physical Education.—Autumn and Winter. Two hours credit. One hour per

week. Time to be arranged Rmney, Hart, and Dixon.

A practical course in the application of the principles and methods of teaching physical education. Intended to accompany Secondary Teaching 54, for senior students who are preparing to conduct departments of physical education in high school.

67. Methods of Teaching Home Economics.—Autumn and Winter. Monday, 4:30. Two hours credit. (See Home Economics 80.)

68. Methods of Teaching Speech.—Autumn and Winter. Two hours credit. One hour per week. Time to be arranged. Morley. (See Speech 68.)

***69. Measurements of High School Teaching.**—Spring. 1:30. Four hours credit. Sudweeks.

A study of tests, scales, etc., now available for use in high school subjects, also a study of the use of intelligence tests in diagnosing and grading students. Some practice will be given in giving and scoring tests, interpreting results, and planning remedial teaching. Open to advanced students only.

81. Science of Education.—Autumn, Winter and Spring. 9:30. Four hours credit. Woodward. (See Philosophy of Education 81.-

This course is required of all students in education who expect to qualify for high school state certification and should be taken during the junior year.

***91. The High School Curriculum.**—Winter, 9:30. M. T. W. Th. Four hours credit. Merrill.

In this course, the principles governing the organization of the high school curriculum, will be studied. The evaluation of the objective, the course of study and the activity phase of the present high school curriculum will be considered with the idea of improvement. The unification of the work of the various departments of the high school and how these may contribute to the

achievement of the recognized aims of education will be a part of the course.

***92. Vocational Education.**—Autumn. 9:30. Four hours credit. (See Philosophy of Education 92.)

***94. Educational and Vocational Guidance.**—Autumn. 9:30. M. T. W. Th. Four hours credit. Merrill. (Not given this year.)

In this course a survey will be made of the development in the field of vocational guidance. It will include a consideration of the principles of vocational guidance; early vocational experience as a feature in determining the choice of an occupation; equipment and method of a vocational counsellor; the school as a vocational guidance center; modification of the high school curriculum to facilitate vocational choice; type of reading which will lead to proper vocational adjustment; placement as a function of the schools; relation of vocational guidance to industrial education.

95. Rural Education Surveys.—

Graduate Courses

101. Special Problems in High School Curriculum with Special Reference to Utah Schools.—Winter. 9:30. Four hours credit. Merrill.

In this course, a careful analysis will be made of the subject matter and student activities now required of students in the different phases of work in the high schools of Utah. The students will investigate the high schools of their special interests for the purpose of ascertaining the nature of the curriculum that is at present being administered, and comparing this with the latest thought in the field of curriculum making.

102. Problems in Part-time Education.—Hours to be arranged. Two hours credit. Merrill and Woodward.

This course deals with the methods and problems of part-time education; the character of the population to be educated, methods of teaching in part-time classes, job analysis and course organization.

147. Research Work in Secondary Teaching.—The consent of the instructor is necessary before registering. Merrill, Nuttall.

In certain courses, students may be given from two to four hours credit on presentation of a satisfactory thesis on an assigned topic embodying the results of independent work.

148. Thesis Work in Secondary Education.—From four to eight hours credit, depending upon the problem. Merrill, Nuttall, and Woodward.

The work of this course is largely individual research under the direction of the professor in charge. The material and the problems studied will be in connection with the master's thesis.

150. Graduate Seminar in Education.—Each alternate Monday, 7:30 to 9:30 p. m.

SOCIOLOGY

Professors Swenson, Nelson, Hansen; Assistant Professor Boyle

Lower Division Courses

Courses 11, 12, 13, are prerequisite to all other courses in Sociology.

11. Introduction to the Study of Sociology.—Autumn, 2:30. Three hours credit. Swenson.

This course is designed to give the ground work for social study. Gives a general view of social organizations, social forces and a practical working theory of the nature of society.

12. Elementary Principles of Sociology.—Winter. 2:30. Three hours credit. Swenson.

Continuation of course 11.

13. Social Problems.—Spring. 2:30. Three hours credit. Swenson.

A discussion of concrete social problems.

41. Juvenile Sociology.—Autumn, T. Th., 9:30. Two hours credit. Boyle.

This course deals with the educational problems of the adolescent, as related to the home, the school, industry, the community, and his own group. The child's moral equipment, his social traits, and moral and sex education through school subjects. History of juvenile delinquency and the study and treatment of delinquents.

Upper Division Courses

51. Community Organization and Leadership.—Spring, 9:30. Three hours credit Swenson.

This course deals with the problems of community life and action, and the methods of promoting them through organization and leadership. Special attention will be given Church organizations in their relation to the recreational, ethical, and spiritual life of the community.

52. The Mormon Village.—Autumn. M. W. F. Three hours credit. Nelson.

(See Rural Social Economics 52.)

53. Rural Sociology.—Winter. Three hours credit. Nelson.

(See Rural Social Economics 53.)

***61. Educational Sociology.**—Autumn, 9:30. Three hours credit. Swenson.

An introductory study of the principles of educational sociology and their application to the theory and practice of school administration, curricula and methods of instruction.

65. Community Welfare.—Winter, 9:30. Two hours credit. Swenson.

A study of local organizations for social, civic, and philanthropic work. Special emphasis on case work.

66. Urban Sociology.—Winter, 9:30. Two hours credit. Swenson. (Not given this year.)

A study of the evolution and problems of urban life, with special emphasis on the economic, ethical, and political influence of cities on modern society.

67. Anthropology.—Autumn, T. Th. Two hours credit. Hansen.

An introductory course in the study of the science of man. Treated from the standpoint of his antiquity and development as interpreted from paleontological and archeological evidence.

68. American Anthropology.—Winter, T. Th. Two hours credit. Hansen.

A study of the American Indian and his place among the races of mankind.

***69. Advanced Anthropology.**—Spring, T. Th. Two hours credit. Hansen.

A discussion of current anthropological problems. Open to students who have successfully completed either 67 or 68.

70. Social Control.—Spring, 9:30. Three hours credit. Swenson. (Not given this year.)

A study of the means of the control of the individual by groups. Such agencies as public opinion, belief, social suggestions, ceremony, personal ideas, etc., will be studied in detail.

75. Social Pathology.—Spring, 9:30. Three hours credit. Swenson. (Not given this year.)

A study of the delinquent, defective, and dependent classes, and a survey of pathological conditions, and processes in modern society. Also a study of benevolent and corrective institutions.

85. Social Organization.—Winter. Three hours credit. Swenson.

A study of the structural and Psychic factors in social organization.

***90. Labor Problems.**—See Economics 59.

***91. Labor Legislation.**—See Economics 61.

Graduate Courses

101, 102, 103. Research.—Time and credit to be arranged. Swenson.

Opportunity is given for the student to work out a problem in the field of his greatest interest. Direction in the methodology of research in the social science field, and in the presentation of material.

104, 105, 106. Anthropological Research.—Hours and credit to be arranged. Hansen.

Open to properly qualified graduate students. Registration only after consultation.

SPEECH

Professors Pardoe, de Jong, Osmond; Assistant Professor Rowe; Mr. Morley

Students majoring in this department are required to furnish two years in a foreign language, Phonetics 1, Physics 11; Speech 1, 2; 11, 12, 13; 14, 15; 61, 62, and 65-p.

Lower Division Courses

1. Principles of Speech.—Autumn. M. W. F., 1:30. Three hours credit. Rowe.

The elements of speech, proper carriage, and simple outline of speeches constitute the major portion of this course. The overcoming of self-consciousness, and the ability to feel at ease developed to a profitable conclusion.

2. Open Forum Discussion.—Winter. M. W. F., 1:30. Three hours credit. Rowe.

Encouragement and practice in extemporaneous speech and application of speech principles.

3. Speech Analysis.—Spring. M. W. F., 1:30. Three hours credit. Rowe.

The study of masterpieces and models of speech composition. Practice in delivery and analysis. Much of this course is planned for platform practice, extemporaneous and impromptu.

5. Advanced Debate.—Winter. Hours by appointment of debating council. Two hours credit.

A course giving intensive training preparatory to inter-collegiate debating.

8, 9, 10-p. Psychology of Public Speaking. Individual analysis of personal strength and defects, to augment better qualities and to overcome detrimental habits. (Not given this year.)

11. Elementary Elocution.—Autumn. T. W. Th. F., 8:30. Four hours credit Morley.

Fundamental principles of speech arts. Thought analysis and methods of expression constitutes major portion of course.

12. Classical Literature.—Winter. T. W. Th. F. Four hours credit. Morley.

Application of the elements of reading to great scenes of classical literature. Voice and body technique are scientifically treated with relation to their importance to the art of interpretation.

13. Dramatic Monologue.—Spring. M. W. F., 8:30. Three hours credit. Morley.

Special attention is given to the dramatic monologue and soliloquy. The ability to project thought analysis without losing the spirit of the selection is given special attention.

14. Interpretative Literature.—Autumn. M. W. F., 10:30. Three hours credit. Morley.

A study of thought and emotion with relationship to the printed page. Character delineation forms a great portion of the work. American authors given special consideration. Courses 11, 12, and 13 are prerequisites.

15. Dialogue and Scene Presentation.—Winter. M. W. F., 10:30. Three hours credit. Morley.

The great scenes from Shakespeare, Dickens, Tennyson, Bulwer-Lytton, Goldsmith, and Sheridan form a basis of the course. Character analysis and presentation.

16. Representative Dialect.—Spring. M. W. F., 10:30. Three hours credit. (Not given this year).

A study of dialect as an element of humor in interpretation.

42. Practical Phonetics.—A course prescribed for all majoring in Speech. Given to aid students to acquire a better understanding of English and foreign diction. (See Department of Modern and Classical Languages; Phonetics 1. de Jong.

Upper Division Courses

61. Impersonation.—Autumn and Winter. M. W. F., 1:30. Six hours credit. Morley.

An advanced course leading to the reading of full programs. Only those who have built a proper voice foundation and can qualify in courses 1, 2, 3, 11, 12, 13, 14, and 15 are eligible. Public recitals form a good portion of practice work.

62. Play Production.—Winter and Spring. M. W. F. Six hours credit. Time to be arranged. Advanced students only. Morley.

A study of the theory of play production and its practical application to problems of directing and staging dramatic production. Staging of one-act plays

comprises a portion of the course. Students assist with major University productions.

63. An Augmented Course of Public Speaking.—Winter. M. W. F. Three hours credit.

Special assignment made for term preparation.

64. An Intensive Study of Speech Analysis. Spring. M. W. F. Three hours credit.

Special assignments made for term preparation.

65, 66, 67-p. Relationship of Emotions to Dramatic Technique.—One hour credit per quarter. Morley.

This course is given only to advanced students and deals with gesture technique and its relationship to emotions. Elementary psychology a prerequisite.

68. Methods of Teaching Speech.—Autumn and Winter. Time to be arranged. Two hours credit. Morley.

Organization of high school departments of speech. Selection of materials and methods to be employed in speech teaching. (See Secondary Teaching 68.).

71. Vocal Interpretations of Shakespeare.—(See English 65.) Osmond.

Courses having -p following the number are private work and require special fees. Given only to students majoring in Speech, or who have marked ability. One hour credit for each recitation a week during the quarter.

ZOOLOGY AND ENTOMOLOGY

Professor Tanner, Drs. Cullimore, Oaks, and Merrill

Students majoring in this department must complete courses 11, 30, 55, 56, 75, 78, 80, 81, 82, and 94. Substitution of other courses is permitted in special cases.

Students who expect to study medicine may take Zoology for their major subject and complete the courses advised or

they may take the following courses: 11, 55, 56, 71, and 72.

Students who desire to teach Biology in the High school should complete the following courses: 11, 20, 30, 55, 56, 65, and 71; Botany 12, 21, and 55.

Lower Division Courses

11. General Zoology.—Autumn and Spring. Three hours' credit. T. Th., 10:30. Laboratory, Autumn. T. 1:30 to 3:30; Spring, Th. 1:30-3:30. Tanner and —.

Fundamentals of structure, physiology, development, heredity, adaptations, classification, and bearing of Biology on human life.

20. Health Education.—Autumn, Winter, Spring. M. W. F., 1:30. Three hours credit. Cullimore, Oaks, and Merrill.

Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes, and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings and surroundings, public and home sanitation, and recognition of defects in children.

30. Elementary Entomology.—Autumn. T. Th. F., 1:30 to 3:30. Three hours credit. Tanner and —.

This course is intended to interest students in insect life. A study of the structure, development and classification of some of the more important insects will form a basis of the course.

34. General Economic Entomology.—Autumn. M. W. F., 10:30. Three hours credit. Tanner. (Not given this year.)

A lecture course dealing with the more important insect pests and the principles and practice of controlling these insects.

Upper Division Courses

55. Invertebrate Zoology.—Winter. T. Th., 8:30.

Laboratory M. W., 1:30 to 4:30 Four hours credit.
Tanner and ———.

This course is designed to follow Zoology 11, and is intended to give the students a broader knowledge of the morphology and relationships of the invertebrate groups. Much emphasis will be placed upon the invertebrate life of the Great Basin region. Considerable time will be spent on the phylum Arthropoda.

56. Vertebrate Zoology.—Spring, T. Th., 8:30. Laboratory M. W., 1:30 to 4:30. Four hours credit. Tanner and ———.

A general course dealing with the habits and the geographical distribution of the vertebrate species. Much time will be devoted to a study of the fish, amphibians, reptiles, birds and mammals of the Great Basin.

***61. Morphology of Insects.**—Winter. Laboratory. M. T W. Th., 1:30 to 4:30. Four hours credit. Tanner.

It is the purpose of this course to teach the structures of insects and the importance of these structures in a systematic study of insects. A few typical insects will be thoroughly studied.

***62. Insect Classification.**—Spring. Afternoon laboratory periods to be arranged. Three or five hours credit. Tanner.

Students will collect and study systematically the insect fauna of the Provo region. Prerequisite course 61.

***63. Economic Entomology.**—Field, Orchard and Garden Insects.—Autumn. M. W. F., 2:30 to 5:30. Three hours credit. Tanner.

A study of the principal injurious and beneficial insects of the field, orchard and garden. Will include field, laboratory, and bibliographic work. Prerequisite Course 30.

***64. Advanced Entomology.**—Winter and Spring quarters. Time and credit to be arranged.

Open only to advanced students who are prepared to do systematic, morphological, or economic work.

***65. Human Physiology.**—Spring. M. W. Th. F., 7:30; laboratory T., 1:30-4:30. Five hours credit. Cul-
limore.

This course is designed to give the student a working knowledge of the life processes as they function in man. The properties of living matter will be studied as a basis for understanding the mechanism of the specialized systems of the human body. Prerequisite, Zoology 11.

***70 Comparative Anatmy of the Vertebrates.**—Spring. T., 8:30. Laboratory M. W. F., 1:30 to 4:30. Four hours credit. Tanner. (Not given this year.)

Detailed study of vertebrate morphology, including dissection of representatives of several classes of vertebrates with comparative studies of the principal vertebrate system. Prerequisite course 56.

***71. Histology.**—Autumn. Three hours credit. F. 1:30; Laboratory six hours a week. Tanner.

Microscopic structure of the tissues and organs of animals. Practical training in fixing tissues, embedding, sectioning, staining, and mounting of permanent specimens.

***72. General Embryology.**—Winter. Three hours credit. F. 1:30. Laboratory six hours a week. Tanner. (Not given this year.)

An introduction to the study of the development of the individual animal. The general topics which are discussed in lectures and studied in the laboratory are; the germ cells and their formation, fertilization of the egg, cleavage of the egg, the formation of the germ layers. The origin and development of the organs and organ-systems of vertebrate animals are studied.

73. Aquatic Zoology.—Autumn. Lectures and laboratory by arrangement. Three hours credit. Tanner.

A general course in the study of fresh water animals of Utah Lake. A study of aquatic habitats is made in connection with field and laboratory work, involving the collection and identification of the more significant invertebrates, the determination of life histories, the study of structural and physiological adaptations, and an analysis of the chemical, physical, and biological factors operative in each complex. A series of lectures dealing with the more fundamental principles of limnology supplement the field and laboratory work. The course is planned for prospective teachers of biology as well as those who expect to major in zoology. The work will be conducted at the Lakeside Biological Laboratory which has been established at the mouth of Provo River and on the shores of Utah Lake. A commodious building and equipment provides facilities for the study of the many problems of this fresh water lake.

***75. History of Biology.**—Winter. T. Th., 10:30. Two hours credit. Tanner.

A study of the development of biological thought from the time of the earliest writers to the present.

***78. Genetics.**—Winter. M. W. F., 10:30. Three hours credit Tanner. Prerequisite, some laboratory course in Zoology or Botany.

The cell as the physical basis of heredity; the germ cycle, variation, mutation, Mendelism, inheritance of acquired characteristics, pure lines, sex determination, and the general problems of descent are discussed in the light of recent experimental data.

***79. Eugenics.**—Spring. Three hours credit. M. W. F., 10:30. Tanner. (Not given this year.)

This course will stress such problems as, the laws of natural inheritance, population problems, environ-

ment reform, marriage and divorce, and state aid for education. A study of the biological foundations of society will also be made. Prerequisite, some laboratory course in Zoology or Botany or Genetics.

80, 81, 82. Seminar.—Autumn, Winter, and Spring. One hour credit each quarter. Time to be arranged. Tanner.

Required of all majors in this department during their junior and senior years.

85. Fresh Water Zoology Problems.—Spring. Time and credit to be arranged. Tanner.

Special problems dealing with the plankton, mollusks, insects, fish, etc. of the lake. Problems will be assigned to individual students. Previous zoological work is a prerequisite. The work will be conducted at Lakeside Biological Laboratory.

***89. Animal Ecology.**—Spring. M. W., 9:30, laboratory W., 2:30-5:30. Three hours credit. Tanner.

This course will consist of lectures and field work. The environment, natural habitats, adaptations, relationships of organisms, and distribution of species and communities will be considered.

***93. Field Zoology.**—Time and credit to be arranged. Tanner.

Open only to students majoring or minoring in Zoology and Entomology. Students may make extensive collections of the animal life of this state or adjoining states and then make a report on the same. The report and collection must be left with the university. This course aims to give the student training in systematic Zoology and museum work.

94. Principles of Biological Nomenclature.—Winter. M., 10:30. One hour credit. Tanner.

A lecture course dealing with the principles of biological nomenclature and intended to meet the needs of students from any of the biological departments.

***97, 98, 99. Systematic and Economic Ornithology.**—Autumn, Winter, and Spring. Time to be arranged. Three hours credit each quarter. Tanner.

This course is intended to interest students in a scientific study of the birds of Utah and adjoining states. The course will consist of lectures, laboratory work and field trips. Prerequisite courses 11, 56, and 94.

Graduate Courses

102, 103, 104. Advanced Entomology.—Autumn, Winter, Spring, and Summer. Time and credit to be arranged.

Primarily for graduate students prepared to do work in systematic, biologic, or economic entomology.

105, 106, 107. Research.—Autumn, Winter, and Spring. Time and credit to be arranged.

Open to advanced and graduate students who are prepared to carry on special studies in zoological problems. Various groups of invertebrates and vertebrates of Utah may be studied.

Extension Division

FACULTY

LOWRY NELSON, Director

GRACE FOLLAND, Secretary

GEORGE H. BRIMHALL, Theology

JOHN C. SWENSON, Sociology

ALFRED OSMOND, English

CHRISTEN JENSEN, History

ELBERT H. EASTMOND, Art

AMOS N. MERRILL, Rural Education

BENJAMIN F. CUMMINGS, Languages

CLARENCE S. BOYLE, Accounting and Business Administration.

THOMAS L. MARTIN, Agronomy

HUGH M. WOODWARD, Philosophy of Education.

A. C. LAMBERT, Elementary Education

WILLIAM J. SNOW, History

M. WILFORD POULSON, Psychology

WALTER P. COTTAM, Botany

VASCO M. TANNER, Zoology

*ELMER MILLER, Economics

GERRIT DE JONG JR., German

CLAWSON Y. CANNON, Animal Husbandry

IDA SMOOT DUSENBERRY, Educational Psychology

WILLIAM H. SNEEL, Mechanic Arts

MRS. NELLIE THORNTON, English

MILTON MARSHALL, Mathematics

A. REX JOHNSON, Office Practice

MRS. CHRISTEN JENSEN, English

MRS. ELSE C. CARROLL, English

EDGAR M. JENSEN, Art

*On Leave.

No one who wishes to have learning need go through life without it. Happily for the masses of humanity, the time when education was held to be for the few, has passed, and almost unlimited facilities are now placed at the disposal of people to aid them in furthering their educational development. The workman in the factory, shop, office, or on the farm, the housewife, wherever she may be; all may now improve themselves if they will, by taking advantage of the opportunities offered to study by mail. Instruction may be had wherever the mail reaches.

EXTENSION DIVISION AIMS

To render service to those ninety-nine out of every hundred citizens, who, it is estimated, are unable to take advantage of the benefits of attending an educational institution, is the chief aim of the Extension Division of the Brigham Young University. To this end, correspondence courses are offered to the public at a reasonable rate. Indeed, instruction by extension methods is more reasonable in Utah than in the vast majority of states of the Union. Courses may be taken for credit or not.

ORGANIZATION

To carry out the aims of the Extension Division the following subdivisions have been instituted: Correspondence and Class instruction, Lectures and Entertainments, and Social Service.

CORRESPONDENCE INSTRUCTION

A varied list of subjects is offered for correspondence instruction. Reading courses are provided for practical people who are interested in adding to their fund of information in their vocation, and who desire to improve their cultural education. No credit is given for the work. For those who are working toward a higher degree, courses are offered which carry university credit.

Methods of Instruction

Each correspondence course carries credit equivalent to the corresponding courses in residence and therefore covers a definite amount of work. Most of the courses contemplate the students preparing about five assignments for each quarter hour of credit received. The student in correspondence is allowed a year from the time he registers to complete his work. He may commence at any time. The average registration is for courses aggregating ten hours credit.

After filing the application for enrollment and paying the fee, the student is sent the assignments of the courses. He is given full instruction in the required reading and the preparation of his lesson, including questions to test his knowledge of the ground covered.

After preparing for recitation, the student does the required written work and mails it to the Extension office. This paper is criticized by the instructor and returned to the student.

Regulations

1. No degree is offered for work done wholly in absence.

2. A student may begin at any time a course for which he is prepared, and should aim to complete it within a year from the time he registers. He must distribute his reports with approximate evenness throughout the period of study. Each assignment is aimed to cover about a week's study in that particular subject, provided the student spends about an hour a day. If he desires to send in more than two assignments a week, he should obtain permission from the instructor. Reports may be rejected if the student attempts to compress his work unduly. It is considered to be a practice which is not conducive to the most satisfactory work.

3. An undergraduate student may not take cor-

respondence work while in residence without the consent of the Deans concerned.

4. A student who does not report either by letter or lesson within a period of ninety days may thereby forfeit his right to further instruction in the course.

5. The Extension Division will pay postage on lessons and assignments sent to the student, but the student must pay postage on mail coming to the University. Care should be taken to see that adequate postage is placed on the envelope by the student.

Entrance Requirements

Registration for extension courses demands the same entrance requirements as do courses in residence. That is, matriculation for college courses presupposes sixteen units of high school work. However, exception may be made in favor of mature students, or those who have practically completed their high school work.

Examinations

Unless otherwise stated examinations are required in all courses before credit is given. These examinations must be supervised by a responsible school official. Where it is convenient, the examination should be taken at the university.

FEES

The charge for correspondence courses is at the rate of \$2.50 a credit hour, except as indicated in some courses, with a minimum fee of \$5.00.

Fees will not be refunded because of inability of the student to continue a course for which he had registered. Permission to change to some other course may be given, however.

Extension Classes

The faculty of the school goes out into the com-

munities and organizes regular classes which receive very much the same instructions as residence students. These classes are designed to meet the needs of persons who are not residence students of an educational institution.

Lectures and Entertainments

Members of the faculty have addressed or entertained in the neighborhood of two hundred thousand people in Utah and surrounding states during the past year. These lectures and entertainments have for the most part been free except for transportation charges. The Extension Division, however, offers a regular lyceum course consisting of high class lectures and entertainments, for which a nominal charge is made.

Social Service

In this department there is included miscellaneous services consisting of recreation, club programs, plays and pageants, visual education, package libraries, etc.

Publications

The Extension Division publishes from time to time circulars of general or specific interest. These circulars may be on any one of a wide number of subjects. In fact, any department of the University may have the opportunity of publishing material through this bureau.

Leadership Week

The first annual Leadership Week was held in January, 1922. Since that time others have been held. In January, 1929 the attendance represented 73 stakes of the Church. Nineteen short courses were given.

CORRESPONDENCE COURSES**Note:**

Courses marked "x" are either not given in residence or do not correspond to residence courses in the same subject. All other courses parallel residence courses by the same number.

ACCOUNTING AND BUSINESS ADMINISTRATION

14x. Commercial Art. Two hours credit.
Jensen. Fee \$7.00.

22. General Marketing. Three hours credit.
Boyle.

23. Marketing and Advertising. Two hours credit. Boyle.

24. Marketing and Salesmanship. Two hours credit. Boyle. Prerequisite 23.

Business Statistics. Two hours credit. Boyle.

30. Commercial Geography. Five hours credit. Hansen.

38. Office Management. Four hours credit. Johnson.

50. Elementary Cost Accounting. Four hours credit. Boyle. Fee \$10.00.

51. Advanced Cost Accounting. Four hours credit. Boyle. Fee \$10.00.

52. Accounting Systems. Four hours credit. Boyle. Fee \$10.00. Prerequisite 51.

62x. Personal Administration—Educational. Three hours credit. Boyle.

63x. Personal Administration—Industrial. Three hours credit. Boyle.

AGRONOMY

3x. Soils Three hours credit. Martin

21. Root Crops. Four hours credit. Martin.

22. Cereal Crops. Four hours credit. Martin.

23. Forage Crops. Four hours credit. Martin.

ANIMAL HUSBANDRY

2. History of Breeds of Livestock. Five hours credit. Cannon.

ART

14x. Commercial Art. Two hours credit. Jensen. Fee \$7.00.

17x. Illustration. Two hours credit. Eastmond.

47. Art Pageantry Production. Two hours credit. Eastmond.

BOTANY

21. General Bacteriology. Three hours credit. Martin.

55. Local Flora. Three or five hours credit. Cottam.

55x. Local Flora. Three or five hours credit. Cottam.

DRAFTING

4. Engineering Drawing. Two hours credit. Snell.

5. Engineering Drawing. Two hours credit. Snell. Prerequisite 4.

6. Engineering Drawing. Two hours credit. Snell. Prerequisite 5.

ECONOMICS

11. Introduction to Economics. Three hours credit. Miller.

12. Principles of Economics. Three hours credit. Miller.

EDUCATION

46. Rural Education. Three hours credit. A.

N. Merrill.

Department of Elementary Teaching

12. Elementary Teaching. Four hours credit. Lambert.

13. Elementary Teaching. Four hours credit. Lambert.

PHILOSOPHY OF EDUCATION

83. Secondary Education. Four hours credit. Woodward.

86. History of Education. Three hours credit. Woodward.

ENGLISH

1. Rhetoric and Composition. Three hours credit. Mrs. Thornton.

2. Rhetoric and Composition. Three hours credit. Mrs. Thornton. Continuation of 1.

3. Rhetoric and Composition. Three hours credit. Mrs. Thornton. Continuation of 2.

8. Newswriting. Four hours credit. H. R. Merrill.

10. Short Story Writing. Four hours credit. Osmond. Prerequisite English 1, 2, 3.

16-17. Survey of American Literature. Four hours credit. Mrs. Jensen.

21-22-23. Survey of English Literature. Six hours credit. Mrs. Jensen.

44. History and Development of the American Novel. Four hours credit.

50x-51x-52x. Readings in World Literature. Six hours credit. Mrs. Jensen.

53-54-55x. Reading in World Literature. (Continuation). Six hours credit. Mrs. Jensen.

61x-62x-63x. Modern Dramatists. Six hours credit.

77x. The Poetry of Robert Browning. Three hours credit. Mrs. Jensen.

78x. Continuation of 77x. Three hours credit.

it. Mrs. Jensen.

A Study of the Types of Literature (high school) 1 unit. Mrs. Carroll. Fee \$10.00.

GEOLOGY AND GEOGRAPHY

a. **Economic Geography** (high school.) One unit. Cottam. Fee \$10.00.

11x. Introductory Geology. Four hours credit. Hansen.

30. Geography of Economic Products. Five hours credit. Hansen.

54x. Field Problems. Three hours credit. Hansen.

58. Economic Geology. Three hours credit. Hansen.

HISTORY

1. History of Modern Europe 1500-1689. Four hours credit. Snow.

2. History of Modern Europe 1689-1815. Four hours credit. Snow.

3. History of Modern Europe 1815-. Four hours credit. Snow.

20-21-22. American History. Nine hours credit. Jensen.

MATHEMATICS

a. **High School Algebra.** One unit. Hugh Peterson. \$10.00.

b. **High School Plane Geometry.** One unit. Hugh Peterson. \$10.00.

11. Plane and Spherical Trigonometry. Five hours credit. Marshall.

12. College Algebra. Five hours credit. Marshall.

MODERN LANGUAGES

13. Directed German Reading. Prerequisite eight hours of German. Two hours credit.

57. Directed German Reading. Prerequisite twelve hours of German. Two hours credit.

13. Directed French Reading. Prerequisite eight hours of French. Two hours credit.

57. Directed Spanish Reading. Prerequisite twelve hours of French. Two hours credit.

13. Directed Spanish Reading. Prerequisite eight hours Spanish. Two hours credit.

57. Directed Spanish Reading. Prerequisite twelve hours Spanish. Two hours credit.

OFFICE PRACTICE

11-12. Shorthand. Ten hours credit. Johnson.

38. Office Management and Methods. Four hours credit. Johnson.

41. Merchandising. Three hours credit. Johnson.

PSYCHOLOGY

11. General Psychology. Five hours credit. Poulson.

21. Elementary Educational Psychology. Dusenberry.

SOCIOLOGY

12-13. Elementary Principles of Sociology. Six hours credit. Swenson.

RELIGIOUS EDUCATION

1x. Doctrine and Discourse. Two hours credit. Brimhall and assistant.

2x. Doctrine and Discourse. Continuation of 1. Two hours credit. Brimhall and assistant.

3x. Church History. Two hours credit. Brimhall and assistant.

14. Genealogy. Two hours credit. Sudweeks.

ZOOLOGY

93. Field Zoology. Credit to be arranged. Tanner.

Training Schools

L. J. NUTTALL, JR., Director

GENERAL SUPERVISORS:

A. N. MERRILL, Secondary
M. J. OLLORTON, Higher Grades
HERMESE PETERSON, Intermediate
EMMA BROWN, Primary

SECONDARY SCHOOL FACULTY

EDGAR M. JENSEN, Principal
C. LAVOIR JENSEN, Junior H. S. Mathematics
WM. F. HANSON, Music
HUGH W. PETERSON, Science
STELLA P. RICH, English
IONE PALFREYMAN, Home Economics
GLADYS D. BLACK, English and Latin
BILLIE HOLLINGSHEAD, Social Science
FRED DIXON, Physical Education

ELEMENTARY SCHOOL FACULTY

HERMESE PETERSON, Principal
EDGAR M. JENSEN, Supervisor of Art
MAY C. HAMMOND
BARBARA MAUGHAN
THELMA LUDLOW
GLADYS KOTTER
GEORGIA MAESER

PURPOSE

The aim of the Secondary Training School is to provide adequate facilities and representative situations in which teachers can be trained adequately to carry forward secondary work in good high schools. It is a necessary part of that aim to offer a first class high school course so that students will receive every

advantage ordinarily found in a good high school. There are the added advantages of the use of many parts of the University plant—library, laboratories, shops, gymnasiums, etc. It is possible to offer a richer and more varied course than can possibly be had in a school of the same size in the school districts of the state. A regular faculty of experienced and well trained secondary teachers is provided. The educational and social welfare of the students is the first care of the teachers.

The Training School is organized on a 6-3-3 basis. Pupils completing the first six grades are regularly promoted to the Junior High School. Here departmentalization begins permitting of variation in courses and a wide range of contact with expert instructors. Entrance to the Senior High School is based upon the completion of the courses outlined for the Junior High School. A maximum of four units plus one year of Theology credit will be allowed for ninth year work to count toward filling group requirements, and toward graduation from the Senior High School for those pupils coming from schools which do not maintain a Junior High School.

Students will be graduated from the Senior High School upon completion of twelve units of work in the Senior High School. These twelve units of work must be secured during three years attendance in Senior High School and must include all the constants prescribed for each year and the sequence of courses prescribed in one of the four curricula. Students graduating from the "General Course," which alone meets definitely the College Entrance requirements, must present the following group requirements (1) English, 2 units, (2) a Principal Group of 3 or more units, (3) a Secondary Group of 2 or more units.

Students are required to take the regular courses in physical education during residence at this school. Students are released from this requirement only up-

on statement of physical disability signed by a competent physician. Satisfactory grades in physical education courses are required for graduation; a maximum of one-half unit of credit may be counted toward graduation for these courses. }

All students are required to register for Theology. Students who fail continually to do satisfactory work in their courses in any department will not be permitted to remain in classes.

HIGH SCHOOL ACTIVITIES

Under the direction of the regular teachers and the faculty committees, a full program of athletic and social affairs is provided for the junior and senior high school students.

The senior high school group have regular social gatherings and recreational activities under faculty supervision and counsel. They have competitive activities in athletics, debating and public speaking, and essay writing. Each year the school produces a play or a musical program. The school is a member of the State High School Debating League and a member of the Utah High School Athletic Association. In addition to these opportunities for extra-curricular activity a regular High School Student Body organization is maintained with the various activities that naturally are sponsored by such organizations. The High School students have also the advantage of participation in the regular activities of the University student body life.

THE CURRICULA /

Four curricula, or four groups of studies, are provided. As early as the ninth year and not later than the tenth year, pupils, with the counsel of the parents and teachers, should make a choice of the group of studies (the curriculum) which they propose to pursue during the remaining years of high school study.

This choice should be made with the definite intent of staying in that curriculum until graduation. Any marked deviation from recommended sequences in any given curriculum without very valid reasons will not be permitted. Transfer from one curriculum to another will delay graduation.

CREDIT

Those classes which require outside preparation which meet five days each week for full fifty minutes, and which continue for the full school year of 34 or 36 weeks of actual class work carry one unit of credit. In some cases students may transfer nine hours college credit for one unit of high school credit. The half-unit courses meet two or three days each week with preparation, or meet daily with no outside preparation, and run throughout the year. There are no "quarters" in high school program as there are in the University. There are no courses which end or begin at the mid-year.

Students who register late or who discontinue before the end of the school year can receive no higher grade than "Incomplete" until the required work of the course is completed. An incomplete grade carries no credit. Such a grade may be removed within one year and credit received.

SECONDARY TRAINING SCHOOL CURRICULUM

Junior High School

7th Grade

Subject	Periods
English I	5
Geography	5
Mathematics I	5
Reading	2
Music	2
Art	2

Sewing	2
Manual Training	2
Religion Class	2
Physical Education & Recreation	3

8th Grade

Subject	Periods
English II	5
History	5
Mathematics II	5
General Science	3
Reading	2
Music	2
Art	2
Cooking	2
Shop Work	2
Religion Class	2
Physical Education & Recreation	3

9th Grade

Subject	Periods
English	5
Community Civics	3
Biology	5
Theology	2
Physical Education	

Electives	Periods
French B	5
Commercial Arithmetic	5
Plain Sewing	
Elementary Drafting	5
Theory of Music	3
Elementary Typing *	5
Algebra	5
Foods or Woodwork	2
Music	2

*(Limited Registration. No credit until completion of second year typing.)

Senior High School

Constants (Required subjects in all Curricula. Students must register for these subjects.)

10th Grade	11th Grade	12th Grade
English B. 5 periods	English C.— 5 periods	English D.— 5 periods
Theology B.— 2 periods	Theology C.— 2 periods	Sociology & Economics 5 periods
Physical Education	Physical Education	Theology D.— 5 periods

Curriculum Group Requirements

According to the curriculum or group of studies chosen to be followed by the student, the following are required subjects for graduation:

(1)**General Course**

(Leads to College Entrance)
All Constants for the particular year 10th, 11th, or 12th.
Algebra—unless taken in 9th Grade, or
Plane Geometry
American History or
European History
Physics or Chemistry

(2)**Home-Making**

All Constants for the particular year.
Foods and Cooking
Plain Sewing
Dressmaking
Home Making
Chemistry
Art

(3)**Agriculture and Mechanical**

All Constants for the particular year
Agriculture
Shopwork
Physics or Chemistry
(Preferably both)
Mechanical Drawing

(4)**Business**

All Constants for the particular year
Accounting A
Accounting B
Shorthand
Typewriting
Commercial Arithmetic—if not taken in the 9th year.

Note: Curricula 2, 3, 4, will satisfy all requirements for graduation from the Senior High School. They may not meet College Entrance requirements; curriculum 1 meets College Entrance requirements.

Electives: Courses required in any curriculum group are open as electives to all other Senior High School students who have already met the Constants requirements.

A recommended sequence of subjects in the general course, or Curriculum (1), is as follows:

9th Year	Periods	10th Year	Periods
English A	5	English B	5
Algebra	5	Geom. or Algebra	5
Biology	5	Theology B	2
Theology A	2	Physical Ed.	?
Physical Ed.		History	5
		Elective	2-5
11th Year	Periods	12th Year	Periods
English C	5	English D	5
Theology C	2	Theology D	2
Physical Ed.	3	Prob. Democ. or Civics	5
Physics or Geom.	5	Physics or Chem.	5
Am. or Europ. Hist.	5	Physical Ed.	3
Elective	2-5	Elective	3-5

SENIOR HIGH SCHOOL COURSES

Subject	Days	Classification	Year Taken	Credit
Grammar				
and Liter.	5	Constant	10th	1 unit
Composition Liter.				
and Grammar	5	Constant	11th	1 unit
Literature	5	Constant	12th	1 unit
Dram. Art	5	Elective	10 to 12	1 unit
Pub. Speak.	3	Elective	10 to 12	½ unit
French a	5	Elective	9 to 12	1 unit
Latin A	5	Elective	10 to 12	1 unit
European History	5	Gen. Course	10 to 11	1 unit
Am. History	5	Gen. Course	10 to 11	1 unit

Problems of				
Democracy	5	Constant	12th	1 unit
Algebra	5	Gen. Course	9 to 12	1 unit
Geometry	5	Gen. Course	10 to 11	1 unit
Physics	5	Several	10 to 12	1 unit
Chemistry	5	Several	12	1 unit
Geography	5	Gen. Course	10 to 12	1 unit
Physiology and				
Hygiene	3	Elective	10th	$\frac{1}{2}$ unit
Foods and				
Cooking	5	Homemaking	10 to 12	1 unit
Homemaking	2	Homemaking	11 to 12	$\frac{1}{2}$ unit
Plain Sewing	2	Homemaking	9 to 12	$\frac{1}{2}$ unit
Dressmaking	5	Homemaking	10 to 12	$\frac{1}{2}$ unit
Theory of Music	3	Elective	9 to 12	$\frac{1}{2}$ unit
Chorus	4	Elective	10 to 12	$\frac{1}{4}$ unit
Orchestra	5	Elective	10 to 12	$\frac{1}{2}$ unit
Graphic Art	2	Elective	10 to 12	$\frac{1}{2}$ unit
Applied Design	2	Elective	10 to 12	$\frac{1}{2}$ unit
El. Accounting	5	Business	10 to 12	1 unit
Adv. Accounting	5	Business	11 to 12	1 unit
El. Typewriting	5	Business	9 to 12*	1 unit
Adv. Typewriting	5	Business	10 to 12	1 unit
Shorthand	5	Business	11 to 12	1 unit
Com. Arith.	5	Business	9 to 12	1 unit
Theology	2	Constant	10	$\frac{1}{2}$ unit
Theology	2	Constant	11	$\frac{1}{2}$ unit
Theology	2	Constant	12	$\frac{1}{2}$ unit
Physical Ed.				
Girls	2	Constant	9 to 12	
Physical Ed.				
Boys	2	Constant	9 to 12	
Woodwork A, B.	5	Agr. & Mech.	9 to 12	$\frac{1}{2}$ unit
Drafting A, B. .	5	Agr. & Mech.	10 to 12	$\frac{1}{2}$ unit
Auto Mechanics	5	Agr. & Mech.	9 to 12	$\frac{1}{2}$ unit

*Credit of 1 unit given at end of second year's work only.

Graduates 1928-29

MASTER DEGREES:

Master of Arts

- HOLLINGSHEAD, BILLIE** Koosharem
 B. A. Degree, The Texas State College for Women,
 1922
 Major: Education.
 Title of Thesis—Curriculum Adjustment and the Half-
 Day Session in the First and Second
 Grades of the Provo City Schools.
- MOORE, SAMUEL DROLLINGER, Jr.** Pleasant Grove
 A. B. Degree, Brigham Young University, 1914.
 Major: Education
 Title of Thesis—A Survey of the Graduates of the
 Pleasant Grove High School, 1919-
 1926, to Determine the Effects of
 Extra-Curricular and Religious
 Activities on Their High School
 Work and Their Life Since Grad-
 uation from High School.

Master of Science

- FINLINSON, BURNS LYMAN** Leamington
 B. S. Degree, Brigham Young University, 1927.
 Major: Education.
 Title of Thesis—Comparative Study of the Educa-
 tional Systems of the Orient.
- MOFFITT, JOHN CLIFTON** Provo
 B. S. Degree, Brigham Young University, 1926.
 Major: Psychology.
 Title of Thesis—An Investigation of the Out of School
 Children Between Six and Eight-
 een Years of Age in Provo, Utah.
- WORSLEY, SADIE PRESTON** Provo
 A. B. Degree, Brigham Young University, 1908.
 Major: History.
 Title of Thesis—Ancient Man in America.

BACHELOR DEGREES:

COLLEGE OF APPLIED SCIENCE

Bachelor of Arts

Harris, Arlene	Provo
Robinson, Florence	Provo
Weeks, Noma	Pleasant Grove

Bachelor of Science

Anderson, Dean A.	Pleasant Grove
Anderson, Ora N.	Fairview
Ashton, Clarence	Provo R. D.
Baxter, A. LeRoy	Pleasant Grove
Brown, Evelyn	Manti
Ellertson, Clarence	Provo
Fielding, Verona	Provo R. D.
Gee, Edith	Provo
Greer, Stansell H.	St. Johns, Ariz.
Graff, Elmer A.	Santa Clara
Hansen, Donna	Provo
Heindselman, Erma Dee	Provo
Hutchings, Earl	Springville
Hutchings, Jessie	Springville
Jorgensen, Elsie E.	Logandale, Nev.
Kindred, Marie	Springville
Lewis, Rulon D.	Marion
McClellan, Lulu	Colonia Juarez, Mex.
Packard, Sarah Virginia	Springville
Porter, Veda Jane	Provo
Sainsbury, Freda	St. Johns, Ariz.
Selin, Edith	Benjamin
Stewart, Dorothy A.	Provo
Straw, Lucile	Springville
Taylor, Mary J.	Provo
Timothy, Elmer	Vernal

COLLEGE OF ARTS AND SCIENCES

Bachelor of Arts

Allen, Robert K.	Provo
Beck, D. Elden	Harbor City, Calif.
Christensen, Norma	Richfield
Dennis, Eldon	Provo
Devenport, Karl W.	Provo
Eyring, Caroline	Pima, Ariz.
Gilchrist, Bruce	Ontario, Ore.
Graham, Marilla	Provo
Hinckley, Harold Alonzo	Hinckley
Iverson, Bessie Lucile	Provo
Munk, Lewis E.	Georgetown, Ida.
Nilsson, Maud	Heber
Olsen, O. Wilford	Brigham City
Osmond, Mary Irene	Provo
Stewart, Helena	Provo
Swenson, Helen	Pleasant Grove

Bachelor of Science

Alexander, Payton H.	Spanish Fork
Arbon, J Theodore	Snowville
Basinger, Earl Moses	Missler, Kansas
Basinger, Mary J.	Missler, Kansas
Biddulph, Orlin	Provo
Booth, Edgar E.	Provo
Candland, Wendell H.	Provo
Carlston, Othell	Ephraim
Christensen, Louis W.	Bloomington, Ida.
Clayson, Lourena M.	American Fork
Curtis, Lavaun B.	Lowell, Ariz.
Dayton, Everett	Cokeville, Wyo.
Decker, Don Z.	Snowflake, Ariz.
Everett, Ellis	St. George
Greenwood, Quentin Edw.	American Fork
Gurney, Francis J.	Lehi
Hansen, Alta	Richfield

Holfeltz, Lamont	Vernal
Jensen, Milton L.	Sandy
Jensen, Ross L.	Oakley
Magleby, Dorothy Harmon	Monroe
Maughan, Kenneth O.	Logan
Mendenhall, Helen	Springville
Mitchell, Samuel	Provo R. D.
Peterson, Afton G.	Lyman, Ariz.
Peterson, Glen	Flagstaff, Ariz.
Reynolds, Allen C.	Springville
Robinson, Willis	Provo R. D.
Rowe, J. Allen	Spanish Fork
Rowe, Owen E.	Spanish Fork
Simmons, Henry R.	Payson
Skousen, Clarence Fred	Gilbert, Ariz.
Smith, Jasper B.	Beaver
Stucki, Ferdinand Karl	Santa Clara
Taylor, J. Max	Provo
Thomas, Max	Spanish Fork
Wallentine, R. Wallace	Paris, Ida.
Wright, Harold M.	Pleasant Grove
Wright, J. Leslie	Hinckley
Young, Newell K.	Moroni

COLLEGE OF COMMERCE

Bachelor of Arts

Hayes, Alton J.	Provo
Nelson, G. Elroy	Pleasant Grove

Bachelor of Science

Berge, Chas. Merion	Provo
Boswell, Leland A.	Nephi
Croft, Evan M.	Deseret
Dattge, Albert G.	Provo
Dixon, Paul Smoot	Provo
Fitzgerald, John Wm.	Draper
Gardner, Garr	Orange, Calif.
Garrett, J. Earl	Nephi

John, Clarence Wm.	Provo
Markham, Ira J.	Spanish Fork
Oldroyd, Wm. V.	Provo
Parker, Harry Julian	American Fork
Smoot, A. Owen	Provo
Starley, Reed G.	Fillmore
Stucki, Merrill	Santa Clara
Sumner, Elton J.	Provo
Taylor, Henry D.	Provo
Wall, Charles A.	Mt. Pleasant
Wilson, Frank R.	Nephi
Worthington, Vernal T.	Provo

COLLEGE OF EDUCATION

Bachelor of Arts

Christopherson, Merrill	Provo
Ludlow, Thelma	Benjamin
Robinson, Jos. Smoot	Provo
Smoot, Anna	Provo
Snell, Vesta E.	Provo

Bachelor of Science

Bennett, Leslie	Hinckley
Bjerregaard, Oscar	Provo
Clark, Ann E.	Rexburg, Ida.
Clegg, Jena V.	Provo R. D.
Danielson, Marie	Lewiston
Davis, Donald D.	Salem
Durnell, George Ray	Provo
Farnsworth, Clara	Cedar City
Ferguson, Max B.	Spanish Fork
Hansen, Leo H.	Lehi
Hansen, Velda	Payson
Harris, Lionel	Pleasant Grove
Hunter, Milton R.	Holden
Ingersoll, D. Grant	American Fork
Kirkham, Carol	Salt Lake City
Leavitt, Clayton L.	Santa Clara

Merrill, Vernon N.	Provo
Moody, Zella	Hinckley
Nelson, Rulon H.	Spanish Fork
Partridge, Karma	Provo R. D.
Phillips, Evans J.	Roosevelt
Robinson, Glen	American Fork
Seegmiller, Glen W.	Delta
Shepherd, Rulon T.	Paris, Idaho.
West, Hazel I.	Idaho Falls, Idaho

COLLEGE OF FINE ARTS

Bachelor of Arts

Clark, Ruth	Provo
Duthie, Margaret	Colonia Juarez, Mex.
Fugal, G. Roy	Pleasant Grove
Gibbons, LeRoy	St. Johns. Ariz.
Harris, Olive	Sugar City, Idaho
Holbrook, Jennie	Provo
Johnson, Alberta	Provo
Lamb, Blanche M.	Toquerville
Lee, Mary	Brigham City
Linebaugh, Jewel Adele	Pleasant Grove
McCoard, William B.	Provo
Markham, Lucile	Provo
Mulliner, Virgie	Idaho Falls, Idaho
Olsen, Harry J.	Provo
Ostlund, Audrey	Provo
Pearce, Wesley	St. George
Stark, Eleanor	Spanish Fork
Taylor, Alice	Provo
Taylor, Katherine	Salt Lake City
Tuttle, Lucile	Manti

Bachelor of Science

Anderson, Ada	Provo
Farnsworth, Viola	Provo
Glazier, Helen	Provo
Morrill, L. Grant	Tridell

Newbold, Marlin Elmer	Sandy R. D.
Peterson, L. Walter	Castle Dale
Sproul, Grace Gates	St. George
Waddoups, Bernice	Honolulu, Hawaii
Worthen, Lucille	St George

NORMAL DIPLOMA

Anderson, Clarice S.	Provo
Badger, Eunice	Hinckley
Baird, Evelyn	Heber
Bartholomew, Ruby	Fillmore
Bean, Ruth	Teton, Idaho
Bearnson, Wilma	Spanish Fork
Bennion, Helen	Farmington
Benson, Louisa	Whitney, Idaho
Bingham, Elgia	Vernal

GALLEY SIXTY ONE

Bishop, Grace	Hinckley
Black, Golden H.	Delta
Blain, Gwen	Murray
Brockbank, Ella	Huntington
Brown, Beatrice	Manti
Brunson, Algie	Fillmore
Burningham, Rhoda	Farmington
Bushnell, Wanda	Fillmore
Child, Marie	Springville
Christensen, Maurine L.	American Fork
Clark, Helen	American Fork
Clark, Ida	Provo
Davis, Maxine	Provo
Decker, Catherine	Snowflake, Ariz.
Dix, Mary | .....	Provo
Dixon, Edna	Provo
Dugmore, Dortha	Ferron
Durrant, Inez	Provo
Ellett, Darwin	Mapleton
Evans, William R.	Mt. Emmons
Farrer, Margretta	Provo
Faux, Julia	Moroni

Fitzgerald, Annie	Draper
Flavel, Vearl	Paul, Idaho
Follick, Irene	Pocatello, Idaho
Freston, Ardella	Roosevelt
Fugal, Melba	Pleasant Grove
Gamette, Helen	Pleasant Grove
Gardner, Gladys	Spanish Fork
Gardner, Grace	Midvale
Gleason, Jennie	Pleasant Grove
Gunther, Eva	Lehi
Hales, Dona	Spanish Fork
Hales, Helen	Spanish Fork
Hansen, Terrance	Redmond
Hemmert, Helen	Thayne, Wyo.
Hill, Sarah	Springville
Holladay, Viola	Provo
Hone, Vera	Pleasant Grove
Houston, Freida	Lovell, Wyo.
Hunter, Euphemia	Holden
Jackson, Arvilla	Provo
Jacobsen, Kalei	Provo
Johnson, Christine	Spanish Fork
Johnson, Erma	Payson
Johnson, Minerva	Springville
Jones, Alice	Provo
Jones, Jennie	Spanish Fork
Larsen, Cynthia	Pleasant Grove
Lee, Eva	Hyde Park
Lovell, Angelyn	Oak City
McDonald, Florence M.	Victor, Idaho
Morgan, Alice	Driggs, Idaho
Newell, Donna	Mona
Nielsen, Leland	Fairview
Nordfors, Myrtle	Annabella
Oldham, Anna Lou	Salt Lake City
Olsen, Ruth	Mt. Pleasant
Olson, Maude	Payson
Perry, Zella	Vernal
Peterson, Anna	Ferron

Peterson, Irma	Ferron
Poulson, Edith	Provo R. D.
Prior, May	Spanish Fork
Rasband, Mima	Heber
Reece, Norma	Payson
Reese, Merrill J.	Bloomington, Idaho
Ritchie, Metta	Provo
Robinson, Ione Hickman	Salt Lake City
Sanford, Josephine	Richfield
Sevey, Lucille	Salt Lake City
Shoell, Geneva	Pleasant Grove
Smart, Ruth	Provo
Sowards, Vera	Provo
Steadman, Aileen	Riverton
Stephenson, J. Maiben	Holden
Stice, Eva	American Fork
Stoker, Ida	Spanish Fork
Sundquist, Ellen	Pleasant Grove
Swallow, Sara Lister	Paragoonah
Taylor, Dortha	Loa
Thompson, Elaine	Aurora
Tippetts, Virginia Sheid	Salt Lake City
Van Leuven, Lyda H.	Provo
Vawdrey, Lucile	Draper
Vogel, Bertha	Provo
Warner, Vernell	Fillmore
Weight, Blanche	Springville
Wells, Katherine	Logandale, Nevada
Wells, Lavinia	Logandale, Nevada
Wheeler, Aleene	Springville
Wiscombe, Myre	Provo
Wright, Elva	Idaho Falls, Idaho
Wright, Thelma	Pleasant Grove

ENROLLMENT OF STUDENTS

1928-1929

In the following list "a" stands for arts and sciences; "ap" for applied science; "c" for commerce; "e" for education; "fa" for fine arts; "ss" for summer school; "G" for Graduate; "S" for Senior; "J" for Junior; "So" for Sophomore; "F" for Freshman; "Un" for Unmatriculated; and "Sp" for special.

Aagard, Bernell, c-F.....	Provo	Anderson, Andrew W., ss	
Aagard, Hazel, e-Sp	Provo	.....	Mt. Pleasant
Aagard, James C., c-So,		Anderson, Archie J., c-J, Fairview	
.....	Fountain Green	Anderson, Brice O., a-F	Salina
Aagard, Joy, c-So	Provo	Anderson, Clara, a-So	Magna
Aagard, LaPrele, a-Sp	Provo	Anderson, Clarice S., e-So ..	Provo
Acord, Duane R., a-F	Richfield	Anderson, Clark R., ap-F	
Adams, Delilah B., e-So	Provo	.....	Overton, Nevada
Adams, Phyllis, fa-J	Provo	Anderson, Dale H., ap-So	Lehi
Adamson, Eva, a-Sp	Provo	Anderson, Dean A., c-F	Provo
Adamson, Lloyd B., a-Sp ..	Am. Fork	Anderson, Dean A., ap-S	
Ahern, Jack H., a-F	Milford	.....	Pleasant Grove
Ahlstrom, Mariam, e-J., St. George		Anderson, Elbert H., fa-J, Oak City	
Alleman, Helen, ap-F ..	Springville	Anderson, Florence M., ss, Richfield	
Allen, Albert B., ss	Am. Fork	Anderson, Emma G., ss ..	Am. Fork
Allen, John L., c-S.....		Anderson, Geneal, c-Sp	Provo
.....	Raymond, Canada	Anderson, Gerald, fa-So	Price
Allen, Joseph K., c-So	Provo	Anderson, Ida J., ss	Provo
Allen, Lorna B., a-J	Provo	Anderson, James, fa-So	Price
Allan, Marie, e-F	Mohrland	Anderson, James M., ss	Levan
Allen, Maurine, c-So, Silver City		Anderson, Jack L., c-F	Eureka
Allen, Robert K., a-S	Provo	Anderson, G. Lowry, ss, Springville	
Allen, Sylvia, e-F	Lehi	Anderson, Jennie, ss	Provo
Allred, Curtis E., c-So , Fairview		Anderson, LeGrande, fa-Sp, Provo	
Allred, D. Euray, c-F		Anderson, Letha, e-F	Beaver
.....	Fountain Green	Anderson, Lillian A., ss	
Allred, D. Fay, e-F	Provo	.....	Salt Lake City
Allred, Genile, ss	Spring City	Anderson, Loretta L., c-F, Pl. Grove	
Allred, Kate, a-Sp ..	Raymond, Can.	Anderson, Luceal, e-F	Richfield
Allred, Thatcher, G	Ogden	Anderson, Maxine, fa-F	
Alexander, Payton H., a-S .....		.....	Palo Alto, Calif.
.....	Spanish Fork	Anderson, Norma, e-F	Sigurd
Alston, Ray L., ss	Am. Fork	Anderson, Ora N., ap-S, Fairview	
Andelin, Thomas D., c-J	Provo	Anderson, Reed G., a-F ..	Idaho Falls
Anderson, Ada, fa-S	Provo	Anderson, Reese H., a-F Springville	
Anderson, Almera, e-So	Provo	Anderson, Robert N., G	Provo

Anderson, Stewart A., e-J Provo
 Anderson, Wallace, e-Sp Cedar
 Andrus, Joseph W., a-F Marion
 Arbon, John T., ss Snowville
 Armstrong, Ned J., c-J Ephraim
 Asay, Lyle A., e-J Delta
 Arnold, John T., ss Sego
 Arnold, Myrtle T., ss Sego
 Ash, Cicil L., ss Lehi
 Ashe, Viola, a-F Lovell, Wyo.
 Ashby, Lucretia, e-So Am. Fork
 Ashby, Mary E., fa-F Am. Fork
 Ashman, Dale, e-F Fillmore
 Ashman, Harold, ss Fillmore
 Ashton, Clarence D., ap-S Provo
 Atkin, Arabella, e-F Salina
 Atwood, Marval C., e-F .. Pl. Grove
 Aydelotte, Evalyn V., e-J.....
 Manassa, Colo.

Badger, Eunice, e-So Hinckley
 Bagnall, Florence, fa-Sp Salem
 Bailey, Felma, e-F Nephi
 Baird, Evelyn, e-So Heber
 Baird, Inez, e-F Heber
 Baird, May, e-J Heber
 Baker, Luella S., e-F Beaver
 Baker, Raymond O., e-S Beaver
 Baker, Shirley D., ap-So Beaver
 Ball, Edna Mae, a- Un

..... Springfield, Ill.
 Balle, Alton, a-So Glenwood
 Balle, Boyd, c-F Glenwood
 Ballif, Carma, G Provo
 Ballif, Florus, ss Preston Ida
 Ballif, Karl G., ap-So .. Preston, Ida.
 Ballif, Mark S., a-So .. Ogden, R. D.
 Banks, Junius C., ss Lehi
 Barker, Ellen, c-F Ogden, R. D.
 Barlow, Elmer, c-So Morgan
 Bartlett, Julia, e-J .. Moreland, Ida.
 Bartlett, Wilma, e-F .. Moreland, Ida.
 Barton, Edgar B., a-So Provo
 Barton, Harold, c-F Blanding
 Barton, Richard B., a-So Provo
 Bartholomew, Edith, fa-So, ss ..

..... Goshen
 Bartholomew, Rubye, e-So .. Fillmore
 Basinger, Earl M., a-S ..Missler, Kan.

Basinger, Mary, a-S .. Missler, Kan.
 Bate, Fern c, -So Springville
 Bateman, Harold, ss Logan
 Bates, Edward H., a-F Payson
 Baum, Atha, e-So Am. Fork
 Baxter, A. LeRoy, ap-S .. Pl. Grove
 Bayles, Weston, a-F Blanding
 Bean, Ruth, Sp Teton, Ida.
 Bearson, Wilma, e-So Sp. Fork
 Beck, Clayton J., ss Spring City
 Beck, D. Elden, a-S

..... Harbor City, Cal.
 Beck, Nora, e-So Spanish Fork
 Bee, Clara F., a-Sp Provo
 Beelar, Virgie, c-J Provo
 Beesley, Effie, ap-Sp Provo
 Behrmann, Zina, e-F Vernal
 Bement, Bertha, ss Provo
 Benedict, Francis E., e-F .. Levan
 Beniams, Herman, a-F Provo
 Bennett, Barta, fa-Sp Holden
 Bennett, Leslie, e-S, ss Hinckley
 Bennett, Leon D., e-F Deseret
 Bennett, Pauline, fa-F

..... Spring Canyon
 Bennion, Helen, e-So Farmington
 Benson, Alma, e-F Spring City
 Benson, Donna, a-S Logan
 Benson, Louisa, e-So .. Whitney, Ida.
 Bentley, Amelia, ss

..... Col. Juarez, Mex.
 Bently, Anthony I., a-J, ss

..... Col. Juarez Mex.
 Bentley, Rinda, ap-F

..... Col. Juarez, Mex
 Bentley, Valentine I., a-J Provo
 Bentley, Vivian, ss

..... Col. Juarez, Mex.

Berge, Chas. Merion, c-S-ss .. Provo
 Berrett, Reed L., ap-S .. Menan, Ida.
 Berrett, Wm. T., ss Menan, Ida.
 Best, Richard S., ap-Un .. Springville
 Biddulph, Orlin, a-S, ss Provo
 Bigelow, Margaret, ss Provo
 Bigelow, Percival P., a-Sp-ss .. Provo
 Billings, F. E., a-Sp Springville
 Bingham, Elgia, e-So Vernal
 Bingham, Hope, e-J .. Spanish Fork
 Bingham, Merle, c-F Vernal

Bingham, Norman B., a-J ..	Ogden
Birch, Ada, e-F	Eureka
Bird, Carol, ss	Springville
Bird, Eunice E., fa-J	Provo
Bird, Hailey S., c-F	Springville
Bird, Howard A., a-F ...	Springville
Bird, Josephine, a-Un-ss	Provo
Bird, Margaret, a-So	Springville
Bishop, Grace, e-So	Hinckley
Bishop, Zina, ss	Orem
Bjerregaard, Eliza, e-So-ss ..	Provo
Bjerregaard, Oscar, Sp	Provo
Black, Golden H., e-So	Delta
Blackham, Edgel, c-Sp	Moroni
Blackham, Grace, fa-Sp	Moroni
Blackham, Howard, a-F ..	Moroni
Blain, Gwen, e-So	Murray
Blake, Lula, ap-F	Hinckley
Bleak, Etha, fa-J	Provo
Boberg, Lowell J., a-F	Draper
Boman, Ve, ap-J	Monroe
Bonneru, Marcella, a-F .	Ashton, Ida.
Bonnett, Laura, c-Sp	Provo
Booth, Edgar, ss	Provo
Booth, Morrell C., e-F	
.....	Fish Haven, Ida.
Booth, Virginia, a-So-ss ..	Provo
Boswell, Leland A., c-S	Nephi
Boswell, J. Wallace, c-So	Nephi
Bower, Berniece, c-F	Provo
Bown, Hattie, ss	Provo
Bown, Joseph L., c-F	Provo
Bown, Newell W., c-J	Provo
Bowman, Maybeth, ap-G	Logan
Bosh, Merie, ss	Levan
Boyack, David R., a-F ..	Sp. Fork
Boyack, Harold G., c-J	Sp. Fork
Boyle, Effie B., fa-Sp	Provo
Boyle, Wilma, fa-So-ss	Provo
Boynton, Benj. F., a-F	
.....	Berkeley, Calif.
Boynton, Chas. C., c-Un	
.....	Berkeley, Calif.
Boyson, Rulon, a-J ..	Raymond, Can.
Braithwaite, Alta Mae, a- So ...	
.....	Arco, Ida.
Braithwaite, Robert, c-So	
.....	Arco, Ida.
Brasher, Kenneth J., e-So	
.....	Huntington
Brasher, Ruby, e-So	
.....	Huntington
Brimhall, Jennie, ap-So	Provo
Brimhall, Ralph, e-S-ss ..	Mesa, Ariz.
Brimhall, Roma C., e-F	Payson
Brimhall, Sina, ss	Provo
Brinkerhoff, J. Darwin, ss ..	Emery
Brinley, Eldon, e-So	Pl. Grove
Brinley, J. Harold, ss ..	Las Vegas
Brinton, Alice M., a-J ..	Los Angeles
Broadbent, Lynn, fa-So	Provo
Broadbent, Margaret, c-So	Heber
Brockbank, Ella, e-So ..	Huntington
Brockbank, Mary L., a-J ..	Sp. Fork
Brough, Bessie J., a-So ..	Morgan
Brough, Evelyn, e-F	Nephi
Brough, Ivan, c-So	Morgan
Brown, Beatrice, e-J	Manti
Brown, Beth, e-F	Grantsville
Brown, Dee Glen, a-So	Provo
Brown, Edith, e-J-ss	Provo
Brown, Emma, ap-G	Salt Lake
Brown, Evelyn, ap-S	Manti
Brown, Helen, c-So	Provo
Brown, Jos. J., ss	Draper
Brown, Jos. L., ap-F	Grantsville
Brown, Vera, a-Sp	Charleston
Brown, Yvonne, ap-So	Ogden
Brown, Welby R., c-J	Provo
Brunson, Algie, e-So	Fillmore
Bryner, Evelyn, ap-So	Helper
Bryner, F. LaPreal, ap-F ..	Helper
Bryner, Loren C., G	Helper
Bryner, Lloyd A., a-J	Helper
Buchanan, Elsie, ss	Richfield
Buchanan, Reuben, e-F	Venice
Buckwalter, LuRae, fa-Sp .	Am. Fork
Budge, Newell R., a-J ..	Paris, Ida.
Bullock, Benj., c-F	Provo
Bullock, Bert, c-So	Provo
Bunderson, Hessie, ss	Emery
Bunnell, Karl G. a-J	Provo
Burch, Della, ap-F	Provo
Burch, Fern, ap-So	Provo
Burgner, Owen F., ss	Myton
Burnham Edna, ss	Brigham City
Burnham, Verna, ap-So	
.....	Redmesa, Colo.

Burningham, Rhoda, e-So
 Farmington
 Burr, Gerald, ap-S Provo
 Bush, Fred, ap-F (Am. Fork
 Busch, Oscar, fa-Un .. Mancos, Colo.
 Busch Vera, fa-So .. Mancos, Colo.
 Buss, Walter R., a-J . Palo Alto, Cal.
 Buss, Edna T., a-J Farr West
 Bushnel, Wanda, e-So Fillmore
 Bushnell, Waldo B., a-F .. Meadow
 Buttle, Grant, a-So Provo
 Butler, Dickman G., a-F .. Sp. Fork
 Buys, Joe H., a-S Eureka

 Calder, Grant, c-F Vernal
 Call, Ara O., a-So
 Col. Dublan, Mex.
 Call, Gaius, c-Un
 Col. Dublan, Mex.
 Call, Lorna, ss
 Col. Dublan, Mex.
 Candland, Don C., c-F Provo
 Candland Harold, a-J Provo
 Candland, Helen ss Provo
 Candland, Wendell, a-S Provo
 Candland, Willis, a-So Provo
 Cannon, Jane, a-So .. Salt Lake City
 Cannon, Rosannah, e-So .. Salt Lake
 Carling, Norma, ss Fillmore
 Carlston, C. Othell, ss-Sp .. Ephraim
 Carr, Wm. C. e-So .. New Zealand
 Carling, Otis e-J Provo
 Carpenter, Clea, e-F Kamas
 Carroll, Elsie C., G Provo
 Carroll, Chas. T., a-F Provo
 Carson, Della, ss Lehi
 Carson, Velda, e-F Lehi
 Carter, Alice, e-So Morgan
 Carter, Mrs. R. C., a-Sp Provo
 Cash, Bennett, ss Sandy
 Cazier, Jefferson B., c-So .. Morgan
 Cherrington Captola, ap-F
 Springville
 Cheney, Thos. E., ss Idaho Falls
 Childs, Gilbert E., ss Gunnison
 Child, Marie, e-So Springville
 Chipman, Lor Raine, ap-J . Am. Fork
 Chipman, Washburn, c-F.. Am. Fork
 Christensen, Arla e-F .. Hinckley

Christensen, Beth, c-F Richfield
 Christensen, Dan S., c-So .. Richfield
 Christensen, Evan C., e-J-ss
 Aurora
 Christensen, Fred, a-F Manassa, Colo.
 Christensen, Howard, a-J .. Ephraim
 Christensen, Ida B., ss Richfield
 Christensen, Lorimer, a-So.. Sp. Fork
 Christenson, Louis W., a-S
 Bloomington, Ida.
 Christensen, Maurine, e-So Am. Fork
 Christensen, Morris, fa-J
 Driggs, Ida.
 Christensen, Norma, a-S-ss
 Richfield
 Christensen, Phillip, a-F Provo
 Christensen, Reed, ss Ephraim
 Christensen, Reuel E., c-J .. Ephraim
 Christensen, Ruth J., a-Sp-ss .. Provo
 Christensen, Vanda H., a-Sp
 Ephraim
 Christoperson, Merrill, e-S
 Provo
 Clark, Annie E., e-S . Rexburg, Ida.
 Clark, Antone I., a-F .. Farmington
 Clark, Elden D., ss .. Salt Lake City
 Clark, Elwood S., a-So .. Farmington
 Clark, Helene, ss Springville
 Clarke, Helen D., e-So Am. Fork
 Clark, Ida, e-So Provo
 Clark, Jasper, fa-Un Farmington
 Clark, Mable, ss Provo
 Clark, Marion, a-F Provo
 Clark, Morrell, e-J Farmington
 Clark, Ora M., e- F..... Lehi
 Clark, Phyllis, e-So . St. Charles, Ida.
 Clark, Robert A., a-F Am. Fork
 Clark, Riley G., a-So Provo
 Clark, Ruth, fa-S Provo
 Clayson, Lourena, a-S Am. Fork
 Clayson, Merrill D., G-ss .. Provo
 Clegg, Anna L., fa-F Grace, Ida.
 Clegg, Jena V., ss-Sp Provo
 Clegg, Laura, e-F Springville
 Clegg, Margaret, fa-So Tooele
 Clifford, Maurine, c-F .. Menan, Ida.
 Clinger, Morris M., fa-F Provo
 Cluff, Don B., a-J .. Ocean Park, Cal.
 Clyde, Dorothy, ss Provo

- Cochran, Paul, a-J Provo
 Colby, Donald B., a-So Salina
 Coleman, Melba, c-Sp Provo
 Collett, Erma, ss .. McKinnon, Wyo.
 Colton, Miriam, fa-So Vernal
 Colvin, Harold, a-So Provo
 Condie, Arthur, c-So Springville
 Condie, Melba, ss Springville
 Cook, Joseph, c-F .. Fountain Green
 Cook, Josinette, fa-So Provo
 Cook, Ralph W., c-So
 Fountain Green
 Coombe, Oswald, c-Un Bingham
 Coombs, Marvin, a-F .. La Jara, Colo.
 Coons, Dorothy, c-F Richfield
 Cooper, George, a-So Panguitch
 Corbett, George L., e-J Provo
 Corbett, Pearson H., ap-So Provo
 Corbett, Walter C., c-J Provo
 Corder, Tomas, e-Sp Provo
 Cornaby, Floyd V., fa-F .. Benjamin
 Cornaby, Serling, a-So .. Sp. Fork
 Cottam, Howard R., a-F Provo
 Cottam, Margery B., a-Sp Provo
 Cowley, Wayne, a-F Venice
 Cox, Bruce M., c-So Orangeville
 Cox, Eldona, ap-J Ferron
 Cox, Zella Mae, ap-F Fairview
 Crafts, Mary E., e-F Deseret
 Crandall, Horace, c-S-ss Provo
 Crane, Clair, ss Provo
 Crawford, De Vere, ap-F .. Paris, Ida.
 Crawford, Edwin, ss Sandy
 Creer, Lois A., e-F Sp. Fork
 Creer, Norman, c-J Provo
 Creer, Preston J., c-S Sp. Fork
 Creer, J. Roscoe, a-J Sp. Fork
 Croft, Evan M., c-S Deseret
 Crookston, Byron E., a-F .. Am. Fork
 Crookston, Lenore, fa-Sp.. Am. Fork
 Cropper, Lyndon M., ap-S
 Elsinore
 Crosbie, Evelyn, fa-So Provo
 Crosgrove, Nell, e-Sp Sandy
 Cruikshank, Winifred, a-S
 Montpelier, Ida.
 Cullimore, James A., c-So Pl. Grove
 Cullimore, Odessa, fa-Sp-ss .. Provo
 Cullimore, Owen S., a-S .. Pl. Grove
- Culmsee, Carlton, ss Nada
 Cummings, Lettie R., ss Provo
 Curtis, Lavaun B., a-S
 Lowell, Ariz.
 Curtis, Lillian, ss Salem
 Curtis, Robert E., c-S Provo
 Cutler, Elva, c-F Salt Lake City
- Dahle, Howard, a-F Sp. Fork
 Dahle, Pearl, fa-J Eureka
 Daniels, Walter, fa-So Payson
 Daniels, Reva, ss Provo
 Danielson, Marie, Sp Lewiston
 Dastrup, Elmer J., c-So .. Richfield
 Dayton, Everett, a-S
 Cokeville, Wyo.
 Dattge, Albert G, c-S-ss Provo
 Dahlsurd, Cornelia, ss Schofield
 Davenport, Hazel, a-F Bingen, Wash.
 Davies, Bessie, ss-Sp Provo
 Davies, Rita, ss Provo
 Davis, Edward, a-F Provo
 Davis, John L., a-F Venice
 Davis, Leota, ss Sugar City
 Davis, Mary, e-F Sp. Fork
 Davis, Maxine, e-So Provo
 Davis, Mildred, Sp Provo
 Davis, Owen, a-Un Provo
 Dastrup, Melba, fa-S-ss Provo
 Dean, Elva C., a-Sp Provo
 Decker, Catherine, e-So
 Snowflake, Ariz.
 Decker, Don Z., a-S
 Snowflake, Ariz.
 Decker, James B., a-Sp
 Durango, Colo.
 Decker, Lorenzo, c-F
 Snowflake, Ariz.
 Decker, Pearl A., e-Un
 Durango, Colo.
 DeGraff, Helen, e-F Heber
 De Jong, Rosabelle, Sp-ss .. Provo
 Dennett, Boyd, ss St. George
 Dennis, Eldon, a-S Provo
 Dennis, Hazel B., ap-Sp Provo
 Deuel, Myrtle, e-F Richfield
 Devenport, Karl W., ss-Sp Provo
 Dewey, Thomas A., ss Sandy
 Dewey, Wm. E., ss Draper

Dobb, Walter, a-F Draper
 Dickson, Glenn, a-S Morgan
 Dickson, James L., fa-So Morgan
 Dimick, Gay E., c-J .. Nampa, Ida.
 Dimick, Georgia, a-Sp .. Nampa, Ida.
 Dimick, Ira C., a-F Heiner
 Dimond, Afton, a-F Murray
 Dimond, Hattie, G Murray
 Dix, Mary E., e-So Provo
 Dixon, Allie, ap-So Provo
 Dixon, Donald, a-S Provo
 Dixon, Edna, e-So Provo
 Dixon, Paul S., c-S-ss Provo
 Dixon, Verl G., a-J-ss Provo
 Dixon, Vesta, c-Sp Provo
 Dorrity, Mildred, e-F Kanosh
 Dorton, Basil, ss Lehi
 Doty, Ben M., fa-Sp-ss Richmond
 Doty, Eda, e-F Richmond
 Dougall, Barney, ap-J .. Springville
 Dougall, Catherine, ss .. Springville
 Dowd, Andrew, ss Price
 Dredge, Wilford J., ap-F Malad, Ida.
 Dudley, Myrtle, ss Jensen
 Dugmore, Dortha, e-So Ferron
 Duke, Violet, ss Provo
 Dunn, Sherman R., a-F
 Montpelier, Ida.
 Dunford, Isaac, fa-So
 Bloomington, Ida.
 Dunford, Nellie, e-F Paris, Ida.
 Dunsdon, Chloe, e-F Provo
 Durnell, G. Ray, e-S Provo
 Durrant, Inez, e-So Provo
 Durrant, L. Dean, c-J Provo
 Dusenberry, Vernon, c-J Provo
 Duthie, Isabelle, ss
 Col. Dublan, Mex.
 Duthie, Margaret, fa-S
 Col. Juarez, Mex.
 Duston, G., Merlin, e-Un Logan
 Dykes, Ronald J., c-So .. Silver City

Eggertsen, Helen, c-F .. Am. Fork
 Eggertsen, Mark, c-F Provo
 Eldridge, Ruth, e-F .. Salt Lake City
 Eldridge, Wilma, e-So-ss .. Salt Lake
 Ellertson, Clarence, Sp Mona
 Ellett, Arthur, ss Springville
 Ellett, Darwin, e-So Mapleton
 Elliott, Nellie, ap-F Provo
 Ellison, Naomi, e-So Provo
 Elmer, Leland, e-J Payson
 Ellsworth, Helen a-F,
 Washington D. C.
 Ellsworth, Ruth, fa-So
 Washington D. C.
 Emert, Dicia, e-J Roosevelt
 Erickson, Eva, ss Spring City
 Erickson, Maxine, fa-F .. Richfield
 Erickson, Ralph, fa-So . Mt. Pleasant
 Evans, Edith, e-F Lehi
 Evans, Fred B., c-So Provo
 Evans, Iris, fa-J .. Salt Lake City
 Evans, Jennie, a-So Price
 Evans, John J., a-So Price
 Evans, Robert, a-So Lehi
 Evans, Wm. R., e-So .. Mt. Emmons
 Evans, Wm. Sterling, a-So . Sp. Fork
 Everett, Ellis, ss St George
 Eyre, Floyd, ss Ogden
 Eyring, Caroline, a-S .. Pima, Ariz.
 Falkner, Henry H., a-F Provo
 Farley, Jessie, c-So Provo
 Farnsworth, Clara, ss-Sp . Cedar City
 Farnsworth, Edith, ss
 Col Juarez, Mex.
 Farnsworth, Ella, fa-So
 Col Dublan, Mex.
 Farnsworth, Kenneth, ss
 Salt Lake City
 Farnsworth, Viola, fa-S Provo
 Farrer, Margretta, e-So Provo
 Faux, Eugene, ss Springville
 Faux, Julia, e-So Moroni
 Fechser, John C, a-So-ss Provo
 Ferguson, Max, e-S Sp. Fork
 Ferguson, Reid, c-So Springville
 Field, Erma, ss .. Ft. Bridger, Wyo.
 Fielding, Verona, ap-S Provo
 Fillmore, Blaine, a-F .. Rigby, Ida.

Fillmore, Irene, c-Sp Provo
 Finch, Janie, e-F Sp. Fork
 Finch, Jim, e-So Sp Fork
 Finlinson, Burns L., ss-Sp

..... Leamington

Finnell, Margaret, a-J .. Declo, Ida.
 Fish, Jesse, e-F .. Snowflake, Ariz.
 Fisher, Arael, a-Sp Provo
 Fisher, Flora, a-Sp Provo
 Fisher, Virl, a-F Provo
 Fitzgerald, Annie, e-So Draper
 Fitzgerald, Heber Alvah, G . Provo
 Fitzgerald, John W., c-S Draper
 Fitzgerald, Myrtle, ss Provo
 Flavel, Rhoda, e-So Paul, Ida.
 Fletcher, Floyd, fa-J Vernal
 Fletcher, Phyllis, a-J Flushing, N. Y.
 Fletcher, Stephen H., a-F

..... Flushing, N. Y.

Folland, Grace, Sp Provo
 Follick, Irene, Sp .. Pocatello, Ida.
 Folsom, Jean, ss Salt Lake City
 Foot, Margaret, fa-Sp Provo
 Foote, Maude, fa-S Safford, Ariz.
 Ford, Elmo, e-F Wallsburg
 Ford, Nora, a-J-ss Farmington
 Foremaster, Laura, c-So .. St. George
 Forsyth, Helen, e-F Provo
 Foster, Forbes, c-F Am. Fork
 Fox, Lorene, ss Salt Lake City
 Frampton, Orval, c-F Provo
 Frandsen, Florence, fa-J . Springville
 Freeman, Leo, c-F .. Snowflake, Ariz.
 Frei, Clark, a-J Santa Clara
 French, Clifton, a-So Coalville
 Freston, Ardella, e-So Roosevelt
 Fugal, Glen Roy, fa-S Pl. Grove
 Fugal, Melba, e-So Pl. Grove
 Fugate, Naomi, e-F Ferron
 Fuller, Orin C., G-ss Mesa, Ariz.
 Fullmer, Don A., a-F Sp. Fork
 Furlong, Arlo L., e-S .. Huntington

Gamette, Helen, e-So Pl. Grove
 Gammon, Thornley, c-Sp Provo
 Gammon, Welby, a-F Provo
 Gardner, Edward, ss Am. Fork
 Gardner, Garr, c-S Orange, Cal.
 Gardner, Gladys, ss .. Spanish Fork

Gardner, Grace, e-So Midvale
 Gardner, Mark, a- J..... Sp. Fork
 Gardner, Robert, ss .. Orange, Cal.
 Gardner, Russell ,e-F Levan
 Gardner, Thelma ,a-J .. Panguitch
 Garfield, Zoie, fa-F Draper
 Garner, Sarah H., e-F Payson
 Garrett, J. Earl, c-S Nephi
 Garrett, James L., ss Nephi
 Garrett, J Oscar, e-Sp Provo
 Garrett, J. Raymond, c-F Nephi
 Geary, Merlin, fa-F Huntington
 Gease, Marvin, c-F Provo
 Gee, Edith, ss-Sp Provo
 Gee, Elwood, c-So Provo
 Geertsen, Norman, a-J Ogden
 George, Marion, a-F .. Cowley, Wyo.
 Gessford, Elizabeth, a-F Provo
 Gibbons, LeRoy, fa-J

..... St. Johns, Ariz.

Gilchrist, Bruce, a-S .. Ontario, Ore.
 Gillispie, Elizabeth, ss Provo
 Glazier, Helen, fa-S-ss Provo
 Gleason, Anton, ap-S Pl. Grove
 Gleason, Jennie, e-So Pl. Grove
 Gledhill, Bert, fa-F Springville
 Gledhill, Ora, a-J Richfield
 Goe, Ben F., c-F Jackson, Wyo.
 Goodrich, Frank, fa-F Vernal
 Goold, LaRue, fa-So Monroe
 Gourley, Gertrude, e-F .. Pl. Grove
 Gowers, Clarence, c-S Nephi
 Graff, Chester, G Santa Clara
 Graff, Elmer A., ap-S .. Santa Clara
 Graham, Mary, ss St. George
 Graham, Ross, a-So Fairview
 Grange, Marinda, e-F Price
 Green, Barbara, ss Mills
 Green, Forace C., a-F Sandy
 Green, John ., ap-F Manila
 Greenhalgh, Darwin, a-F Provo
 Greenhalgh, Lucile, a-F

..... Santaquin

Greenwood, Delbert, G-ss .. Am. Fork
 Greenwood, Quentin, a-S .. Am. Fork
 Greer, Grant, e-F Wallsburg
 Greer, Stansell H., ap-S

..... St. Johns, Ariz.

Gribble, John W, ss Salina

Griswold, Sylvia, ss .. Harvard, Mich.
 Groberg, Delbert, a-So Ogden
 Groberg, LeRoy B, a-Un

..... Idaho Falls, Ida.
 Grotegut, Arthur, e-J Sp. Fork
 Grow, Katherine, e-F

..... Cardston, Can.
 Gubler, Olive, ss Lund, Nev.
 Gunn, Clairene, e-F Hoytsville
 Gunn, Stanley R., a-J Beaver
 Gunther, Eva, e-So Nephi
 Gurney, Francis J., ss-Sp Lehi
 Guymon, Olive, e-F Huntington

Haddock, Jay, ap-J .. Bloomington
 Haddock, Paul J., a-F .. Bloomington
 Hafen, Mary H., a-Sp Provo
 Hales, Dona L., e-So Sp. Fork
 Hales, Helen E., e-So Sp. Fork
 Hall, Lyndon J., e-F Payson
 Hall, M. Laverl, ap-F .. Eager, Ariz.
 Hall, Maysie, e-F Vernal
 Hall, Truman, a-F Santaquin
 Halliday, Ella, e-F Pl. Grove
 Halliday, Marion, c-So Monroe
 Halverson, Lynn, c-F .. Rigby, Ida.
 Hamblin, Josephine, ss .. Eagar, Ariz.
 Hamblin, Roland, ss .. Eagar, Ariz.
 Hammond, May C., Sp-ss Provo
 Hammond, Rose, a-Sp .. Mancos, Colo.
 Hamblin, Clara, c-F Eagar, Ariz.
 Handley, Harold, c-J Sandy
 Hanks, Lynn, a-So Salem
 Hansen, Afton, ap-Sp Provo
 Hansen, Alta, a-S Richfield
 Hansen, Arvella, ss Emery
 Hansen, Basil C., a-F Lehi
 Hansen, Donna, ap-S Provo
 Hansen, Elmo, e-J Lehi
 Hansen, Fred, c-So Sp. Fork
 Hansen, Leo, ss-Sp Lehi
 Hansen, Levi, a-F Ogden
 Hansen, Mildred, fa-F Richfield
 Hansen, Orsen, ap-J .. Springville
 Hansen, Ray W., a-So .. Mt. Pleasant
 Hansen, Rulen, c-So Sp. Fork
 Hansen, Teddie C., c-J Richfield
 Hansen, Terrance, e-So Redmond
 Hansen, Utahna, e-So Goshen

Hansen, Velda, e-S Payson
 Hansen, Virginia, fa-F .. Richfield
 Hansen, Waldo, a-So Elsinore
 Hansen, Wilma, fa-Sp Sp. Fork
 Hardy, Horace, a-F Sp. Fork
 Hardy, H. Vern, c-J Provo
 Harding, Curtis, c-F Payson
 Harris, Arlene, ap-S Provo
 Harris, Audrey, e-So Richmond
 Harris, Belle, ap-So-ss Payson
 Harris, Emma, fa-So Payson
 Harris, Estelle, ss Provo
 Harris, Franklin S. Jr., a-F-ss ..

..... Provo
 Harris, Lionel, e-S Pl. Grove
 Harris, Olive, fa-S .. Sugar City, Ida.
 Harrison, Bertrand, a-J .. Springville
 Harrison, Laprele, e-F Manassa, Colo.
 Hart, Ray Geo., fa-F Provo
 Hartle, Jessie, e-F Roosevelt
 Harward, Clayton, e-F Aurora
 Hasler, Ada, a-F Provo
 Hasler, Walter T., a-J Provo
 Hastings, W. Grant, ap-J

..... Mesa, Ariz.
 Hatch, Corwin, c-F Vernal
 Hatch, Fleeta, ss .. Col. Juarez, Mex.
 Hatch, Nellie, S., ss Col. Juarez, Mex.
 Hatton, Beulah, ss Provo
 Hatton, Elaine, e-F Fillmore
 Hatton, Leora, e-F Fillmore
 Hatton, Karl, c-F Kanosh
 Haws, Etta, ss .. Col. Juarez, Mex.
 Haws, Ora, ap-F Provo
 Hawkins, James, c-F Benjamin
 Hawkins, Ray, c-J Benjamin
 Hays, Sarah, ss Compton, Cal.
 Hayes, Alton J., c-S-ss Provo
 Haynie, Anthon V., c-J

..... Manassa, Colo.
 Haynie, Irene, fa-F
 Manassa, Colo.
 Heaton, Winifred, a-J Provo
 Hebertson, Thorit C., e-J Provo
 Heindselman, Erma Dee, ap-S Provo
 Heincke, Gertrude, ss .. Farmington
 Hemmert, Helen B., e-So
 Thayne, Wyo.
 Henderson, Chas. R., a-F Vernal

- Henderson, Zelda, a-Sp-ss Provo
 Hendricks, Milo C., c-Sp Provo
 Hendricksen, Mildred, e-F Draper
 Henrie, Osburn, a-So Panguitch
 Herron, Grace, ss .. Salt Lake City
 Hess, Chloe, ap-So Farmington
 Hess, Geo. M., ap-G Farmington
 Hess, Lucy, fa-F Farmington
 Hettig, Tubou, a-So Tonga
 Heywood, Austin, c-So .. Panguitch
 Hibbert, Buyle, e-J Provo
 Hickman, Florence, a-So Provo
 Hill, Joe, a-F Provo
 Hill, Sarah, e-So Springville
 Hills, Tillie, e-F Provo
 Hill, Willis R., e-J Sp. Fork
 Hiller, Rudolph W., c-F Provo
 Hiller, Walter., c-So Provo
 Hillman, Guy, a-J Pl. Grove
 Hinckley, Angela, a-F-ss Provo
 Hinckley, Proctor, a-F Delta
 Hodapp, Minnie L., e-S Provo
 Hodge, Isabelle, a-So Sp. Fork
 Hodson, Marva, G-ss Provo
 Hodson, Waldo, a-F Provo
 Holbrook, Jennie, fa-S-sss .. Provo
 Holbrook, Mary, e-F Provo
 Holfeltz, J. Lamont, a-S Vernal
 Holgate, Myron G., c-Un
 Orderville
 Holladay, Viola, e-So Provo
 Hollingshead, Billie, G-ss
 Koosharem
 Holman, Orvel E., a-F Manassa, Colo.
 Holmes, Dorothy, e-F Midway
 Holt, Beth, ap-F Hinckley
 Hone, Merrill, a-J Sp. Fork
 Hone, Vera, e-So Pl. Grove
 Hood, Lydia, c-So Provo
 Hooks, Bertha, c-F Provo
 Hoover, Bliss, c-So Provo
 Hoover, Dorothy, a-F Park City
 Horr, June, ss St. George
 Horne, Naomi, ss Mesa, Ariz.
 Horne, Ruth, ss Mesa, Ariz.
 Hortin, Eva, ss Oakley
 Houston, Freida, e-So .. Lovell, Wyo.
 Hubbard, Harriet, ap-F .. Grace, Ida.
 Hubbard, Mary V., e-J .. Grace, Ida.
 Huber, Robert E., c-Sp Payson
 Hughes, Anna, fa-J Sp. Fork
 Huish, Paul, a-So Provo
 Hulet, Oscar, ss Summit
 Hull, Alvin C., a-So .. Whitney, Ida.
 Hullinger, Norma, ss Vernal
 Hunter, Euphamia, e-So-ss .. Holden
 Hunter, Milton, ss-Sp Holden
 Hunter, Vaughn B., a-So Holden
 Huntsman, Solon R., G Mesquite, Nev.
 Hurst, Herbert, a-F Provo
 Hutchings, Earl, ap-S .. Springville
 Hutchings, Lorraine, c-F .. Springville
 Hutchings, Imri J., a-F Sandy
 Hutchings, Jessie, ap-S .. Springville
 Hutchings, Lorna, a-F .. St. George
 Ingersoll, David Grant, e-S Am. Fork
 Ingersoll, LaBelle A., Sp .. Am. Fork
 Ingersoll, Lorraine, c-F .. Am. Fork
 Isaacson, LaVar, fa-J Ephraim
 Iverson, Bessie, a-S-ss Provo
 Iverson, Myrtle, c-So Provo
 Ivie, James O., a-J Salina
 Ivins, Faun, ss Lund, Nev.
 Irving, Rowena, ss Chester
 Jackson, A. Lavell, c-So
 Fredonia, Ariz.
 Jackson, Audrey, fa-So Provo
 Jackson, Arvilla, e-So Provo
 Jackson, Lawrence, a-So .. Fillmore
 Jackson, Norma, a-F Provo
 Jackson, Orrin, c-S Provo
 Jackson, Udell, c-S Provo
 Jackson, Wm. F., a-Un .. Lo Angeles
 Jacobsen, Geniel, ss Manti
 Jacobson, Kalei, e-So Provo
 Jacobson, Thelma, ap-J Manti
 Jacobs, Retta, a-F Ogden
 Jacobs, Jos. Smith, a-So Ogden
 Jameson, Ellen, ss Sp. Fork
 Jarrett, Hellen, a-F
 Newcastle, Wyo.
 Jarrell, Ethel, e-F Vernal
 Jarvis, Ella, ss .. Col. Juarez, Mex.
 Jenkins, Mark, a-J Provo
 Jense, Mary, e-F Pl. Grove
 Jensen, Allie Mae, a-So

..... Magrath, Can.
 Jensen, Bradford, a-So .. Castle Dale
 Jensen, Claron, ss Mapleton
 Jensen, Dean G., c-F Sp. Fork
 Jensen, Edgar M., ss Provo
 Jensen, Floyd, e-J Clawson
 Jensen, Gpyla, ss Provo
 Jensen, Harmon J., a-F .. Richfield
 Jensen, Jennie, c-F .. Mancos, Colo.
 Jensen, John E., a-So Gunnison
 Jensen, Lawrell, a-J Fountain Green
 Jensen, Leo, ss Emery
 Jensen, Marie, e-F Mapleton
 Jensen, Melva, e-So .. Sanford, Colo.
 Jensen, Milton L., ss-Sp Sandy
 Jensen, Ross L., a-S Oakley
 Jensen, Walter, a-So Eureka
 Jeppesen, Rhodes, a-Un Provo
 Jeppson, Wilma, ss .. Salt Lake City
 Jex, Francis, ss Sp. Fork
 Jex, William R., c-F Sp. Fork
 John, W. Clarence, c-S Provo
 Johns, Floyd, a-J Delta
 Johnson, Afton, a-F Paul, Ida
 Jonson, Alberta, fa-S Provo
 Johnson, Benj. B., c-So .. Mesa, Ariz.
 Johnson, Christine, e-So .. Sp. Fork
 Johnson, Clair, fa-J Provo
 Johnson, Clifford, a-F Sp. Fork
 Johnson, Erma, e-So Payson
 Johnson, Eugene, e-So .. Springville
 Johnson, Grant, fa-Un .. Santaquin
 Johnson, Helen A., fa-Sp Provo
 Johnson, James, a-F .. Nampa, Ida.
 Johnson, Jennie, c-So Vernal
 Johnson, John, a-F Pl. Grove
 Johnson, Kent, c-F Provo
 Johnson, Leo Lowell, a-J Provo
 Johnson, Louis, e-F Mapleton
 Johnson, Mark, e-J Mapleton
 Jonson, Minerva, e-So .. Springville
 Johnson, Myrtle, ss Provo
 Johnson, Paul, a-F Paul, Ida.
 Johnson, Ralph, a-So .. Rexburg, Ida.
 Johnson, Ruth, e-F Springville
 Johnson, Ruth I., ap-F .. Springville
 Johnson, Vard, a-So Pl. Grove
 Johnson, Vearl, ap-F Provo
 Johnson, Vernon, c-F Aurora

Johnson, Wm. H., fa-J .. Coalville
 Jolley, R. Manning, c-Sp-ss .. Provo
 Jones, Alice, e-So Provo
 Jones, Arthur, e-Un Enterprise
 Jones, Caroline, a-Sp Provo
 Jones, Dix M., c-So Springville
 Jones, Earl E., a-So Provo
 Jones, Edwin C., a-F Enoch
 Jones, Elsie, a-J Sunnyside
 Jones, Etta, ss Provo
 Jones, Fletcher, c-J Provo
 Jones, Horace L., fa-F Heber
 Jones, Hyrum, ss Fillmore
 Jones, Jennie, e-So Sp. Fork
 Jones, LaFayette, e-F Payson
 Jones, Martha A., ss Fillmore
 Jones, Milton C., a-F Price
 Jones, Minnie C., e-Sp .. Enterprise
 Jones, G. Ray, a-So Sp. Fork
 Jones, Reed E., a-So Sp. Fork
 Jones, Rulon, ss Cedar City
 Jones, Sara, ap-J Malad, Ida.
 Jones, Sylvia, ss Enterprise
 Jones, Vilate, a-Sp Provo
 Jones, Wendell, c-F .. Overton, Nev.
 Jordan, Lois, a-J Coalville
 Jordan, Mildred, c-F Mapleton
 Jorgensen, Elsie, ap-S
 Logandale, Nev.
 Jorgensen, Frank V., c-F
 Fountain Green
 Jorgensen, Myron, G . Salt Lake City
 Josie, Charles, fa-Sp Provo
 Judd, Vera, e-F Fredonia, Ariz.
 Kartchner, Alma, c-So Provo
 Kartcner, Leah H., ss Provo
 Kartchner, Veda, fa-So-ss Provo
 Kartchner, Alton C., a-J-ss .. Provo
 Kartchner, Wayne, ss Provo
 Kay, Nila F., c-F .. Las Vegas, Nev.
 Kay, Zelda, e-F Mona
 Keele, Thos. Manning, a-F . Sp. Fork
 Kelly, Eleanor, a-So
 St. Anthony, Ida.
 Kelly, Myrle, e-J Midway
 Kerr, Wayne, a-F Payson
 Kerby, Erwin, fa-Sp Provo
 Killpack, Agnes, a-So Provo

McGuire, Viola, e-F Provo
 McKell, Charles, a-So . . . Sp. Fork
 McKell, Eldon G., c-F Sp. Fork
 McKenzie, Wm. H., a-So . Springville
 McKnight, Samuel, a-Un . Mesa, Ariz.
 McPherson, Zelpha, ss Greenriver
 McRea, Maria, e-J .. St. David, Ariz.
 McQuivy, Marion, a-F Salem
 McTague, Earl J., c-F .. Am. Fork
 Mabey, Irvine, a-So Provo
 Maden, Jay, a-F Springville
 Magleby, Dot Harmon, ss .. Monroe
 Magleby, McRay, ss Monroe
 Magleby, Roscoe, a-F Richfield
 Magleby, Russell H., a-J Monroe
 Major, Elaine, e-F Centerville
 Mallory, Bea, ap-F Shelley, Ida.
 Mallory, Theola, c-So .. Shelley, Ida.
 Mangelson, Helen, a-So Nephi
 Manning, Bessie, ss Delta
 Manson, Aline, a-J-ss Provo
 Manson, George W., e-F Eureka
 Markham, Ira J., c-S Sp. Fork
 Markham, Lucile, fa-S Provo
 Marler, George D., .. Thornton, Ida.
 Martin, Elmo, a-F Provo
 Martain, Gwendolyn, e-J Springville
 Martin, Zola, fa-So Provo
 Martineau, Carl P., fa-Sp Provo
 Mason, Grant, e-F Aurora
 Maughan, Barbara, e-Sp-ss
 Wellsville
 Maughan, Edna, fa-F .. Itaca, N. Y.
 Maughan, Kenneth O., a-S .. Logan
 Maughan, Lucie, a-So
 Lava Hot Springs, Ida.
 Maw, Margaret, fa-F-ss Provo
 Mecham, J. Lucian, ss
 Co. Juarez, Mex.
 Mendenhall, Alberta, a-F . Springville
 Mendenhall, Helen, a-S-ss Springville
 Mendenall, Louise, ap-F .. Mapleton
 Menlove, Birdie, ap-Sp Goshen
 Menlove, Walden, c-F Provo
 Merkley, Charles N., a-J Tridell
 Merrill, Mrs. Amos, Sp Provo
 Merrill, Donald P., a-J Preston, Ida.
 Merrill, Edna J., Sp-ss Provo
 Merrill, LaVaun S., c-F Preston, Ida.

Merrill, Lucile, e-F Provo
 Merrill, Ray D., c-F Murray
 Merrill, Vernon, e-S Provo
 Metcalf, Alda, e-F Gunnison
 Michaelson, Iris, e-F Gunnison
 Metcalf, Irene, a-J Springville
 Mickelsen, Wilma, e-F Draper
 Miles, Lorin C., G St. George
 Miles, Maurice J., a-J St. George
 Miles, Raymond W., G Provo
 Miles, Walter J., c-J .. St. George
 Milligan, Frank B., a-Sp
 Merkel, Texas
 Miller, Harvey, a-So Pl. Grove
 Miller, C. Dresden, c-So Provo
 Miller, Karl A., ap-J Salt Lake City
 Miller, Kenneth R., a-So .. Am. Fork
 Miller, Marvin, a-F Murray
 Miller, Wenonah, ss Nephi
 Mills, Emma, e-F Hoytsville
 Mills, Ethel, ss Salt Lake City
 Miner, Fred R., c-So Magna
 Miner, Ila E., c-S-ss Fairview
 Miner, Jessie M., ss Provo
 Miner, Melvin, c-J Provo
 Mitchell, L. Wm., e-Sp Provo
 Mitchell, Ruth, ss Provo
 Mitchell, Samuel, a-Sp-ss .. Provo
 Moffitt, Athelia, e-So
 Col. Dublin, Mex.
 Moffitt, Corine, ss Boneta
 Moffitt, John C., e-J-ss Provo
 Monk, Wells G., e-J-ss Sp. Fork
 Moody, Manton M., c-S .. Hinckley
 Moody, Milo C., a-J Hinckley
 Moody, Zeela, a-S-ss Hinckley
 Moon, Laretta, c-Un Anna
 Moore, Fred M., c-J Provo
 Moore, Huish, e-J Payson
 Moore, Samuel D., ss-Sp .. Pl. Grove
 Morgan, Afton, c-F Provo
 Morgan, Alice, e-So Driggs
 Morgan, E. Genevieve, fa-So Payson
 Morgan, J. Frank, Sp. Fork
 Morgan, Lois, a-F Sp. Fork
 Morgan, Ralph W., a-J Levan
 Morgan, Sadie, c-F Goshen
 Morgan, Thelma a-F Ovid, Ida.
 Morgan, Wendell A., a-F .. Provo

- Morley, Alonzo, G-ss Provo
 Morley, Eloise S., a-Sp Provo
 Morley, Zelda L., e-F Moroni
 Morrill, A. Reed, ss Tridell
 Morrill, Florence, ap-So-ss
 Junction
 Morrill, L. Grant, ss-Sp Tridell
 Morris, Rachel B., fa-Sp Provo
 Morrison, Lillian, fa-J St. George
 Mortimer, Ireta, ap-J Provo
 Mortimer, George H., ss Provo
 Mower, John F., ss Provo
 Moyle, Wendell T., ap-F .. Am. Fork
 Mullinger, Virgie, fa-S
 Idaho Falls, Ida.
 Munk, Lewis, a-S .. Georgetown, Ida.
 Murdeck, Zina C., ap-S-ss ... Provo
 Myrup, Eloise, fa-Sp Provo
- Naegle, Annaley, c-F Idaho Falls, Ida.
 Nelson, Boyd E., a-F Pl. Grove
 Nelson, Carl E., fa-F Pl. Grove
 Nelson, DelMar F., fa-F Provo
 Nelson, Leslie, s Morgan
 Nelson, S. Call, c-F Provo
 Nelson, Edna Viola, a-So .. Pl. Grove
 Nelson, G. ElRoy, c-S .. Pl. Grove
 Nelson, Gwendolyn, a-F Provo
 Nelson, Harold S., a-J .. Pl. Grove
 Nelson, Jesse E., c-F Provo
 Nelson, LeGrand L., a-F Provo
 Nelson, Mabel M., e-Sp Logan
 Nelson, Murcy E., ap-So
 Montpelier, Ida.
 Nelson, Ralph B., a-F Joseph
 Nelson, Rozena A., ap-So-ss
 Montpelier, Ida.
 Nelson, Rulon H., ss-Sp
 Montpelier, Ida.
 Nelson, Thelma W., fa-J .. Pl. Grove
 Nelson, Wesley A., c-So .. St. George
 Nelson, Wm. L., c-Sp Maybutt, Can.
 Nelson, Wm. C., ss Santaquin
 Newbold, Marlin E., fa-S Sandy
 Newell, Donna, e-So Mona
 Newman, Bessie, a-J Pl. Grove
 Nicholes, Fern, ss Eagar, Ariz.
 Nicholes, Ray D., ss Eagar, Ariz.
 Nicholson, Harry, e-So Provo
- Nielson, Etta, a-Sp Provo
 Nielson, Keith C., c-So Am. Fork
 Nielson, LaRue, ap-J Provo
 Nielson, Leland, e-So Fairview
 Nielson, Loya, a-F Springville
 Nielson, Maude E., fa-F Shelley, Ida.
 Nielson, Otis, ss Fairview
 Nielson, Phares L., c-J
 Fountain Green
 Nielson, Utahna, e-F .. Castle Dale
 Nielson, Wanda, e-F Hinckley
 Nielson, Wayne, e-J Tooele
 Nielson, Wandle, c-So Fairview
 Nilsson, Maud, a-S Heber
 Nisonger, Iris, e-F Provo
 Noakes, Thelma, e-F Springville
 Noble, Enola T., ss Eureka
 Nordfors, Myrtle, e-So .. Annabella
 Norman, Reeve, c-So Fairview
 Nuttall, James A., ss-Sp Huntington
 Nuttall, Maurice, e-Un Provo
 Nuttall, Ned C., a-F Provo
- Oaks, Jessie, ap-F Vernal
 Oaks, Roy V., ap-So Vernal
 Ogden, Niels A., c-Un .. Springville
 Ohlwiler, Wendell J., a-F Heber
 Okelberry, Virginia, c-F Goshen
 Oldham, Anna L., e-So-ss
 Salt Lake City
 Oldroyd, Merrill L., s Fountain Green
 Oldroyd, Wm. V., c-S-ss Provo
 Olpin, Lawrence, a-So .. Pl. Grove
 Olsen, Clifford J., a-F . Sanford, Colo.
 Olsen, Harry J., fa-Sp-ss Provo
 Olson, J. Lucille, c-Sp Provo
 Olson, Maud, e-So Payson
 Olsen, Marion J., a-F Provo
 Olson, Max D., a-So-ss Provo
 Olsen, Thera Lou, fa-Sp Manti
 Olsen, O. Wilford, a-S Brigham City
 Olsen, Ruth, e-So Mt. Pleasant
 O'Neil, John D., ss Cobre, Nev.
 Orme, Elvon W., c-So Tooele
 Orme, Loretta, ss Nephi
 Orme, Rollo, ss Nephi
 Osmond, Mary Irene, a-S-ss .. Provo
 Osmond, Nan H., fa-J-ss Provo
 Ostlund, Audrey, fa-S Provo

Ostlund, Evelyn, ap-J Provo
 Oveson, Conway, a-F Cleveland
 Oxborrow, EaVera, ss .. Lund, Nev.

Packard, Hannah, Sp Provo
 Packard, Virginia S., ap-S Springville
 Page, Ferne, e-F Payson
 Page, Gertrude, ss Provo
 Parker, Charles, a-J Payson
 Parker, Harry J., Sp Am. Fork
 Parker, LaFay, e-F Am. Fork
 Parkes, Nelda, e-F Nephi
 Parkinon, Stanley R., ss

..... Salt Lake City
 Parsons, LaVell, ap-So Newton
 Partridge, Agnes, e-F Fillmore
 Partridge, Eldon E., c-F .. Fillmore
 Partridge, Gertrude, fa-J-ss .. Provo
 Partridge, Karma, e-S-ss Provo
 Passey, Maude D., Sp Provo
 Passey, Clifton E., c-F Provo
 Passey, Spencer J., c-Sp .. Provo
 Pate, Ora F., fa-Sp Draper
 Patterson, Fay, ss .. St. Johns, Ariz.
 Paulson, Jean, fa-S Pl. Grove
 Paulsen, Wendell H., fa-Sp .. Provo
 Paxman, Elaine, fa-So-ss Provo
 Paxman, Howard E., c-Sp Am. Fork
 Paxman, W. Rulon, c-F Provo
 Pay, Clarence H., a-J Nephi
 Payne, Ada, e-F Sigurd
 Payne, Edward W., a-J-ss Provo
 Pearce, Wesley, fa-S St. George
 Pearson, Clara, ss .. Idaho Falls, Ida.
 Pearson, V. Dale, c-J Meadow
 Pearson, Esther B., c-F-ss .. Kamas
 Pearson, Oswald L., a-S Oakley
 Pease, Leonard F., ss Thatcher, Ariz.
 Penrod, Grant F., a-F Provo
 Perkins, Clyde E., ap-J Overton, Nev.
 Perkins, Lewis D., ap-So

..... Bennington, Ida.
 Perkins, Minnie, ss Payson
 Perry, Mary H., s Provo
 Perry, Zella, e-So Vernal
 Peters, Elmo, c-F Am. Fork
 Peterson, Afton G., a-S

..... Lyman, Wyo.
 Peterson, Alene, fa-Sp Provo

Peterson, Anna, e-So Ferron
 Peterson, Dale H., a-J Richfield
 Peterson, Glen, a-S .. Flagstaff, Ariz.
 Peterson, Hilda, Fairview
 Peterson, Hugh W., G Provo
 Peterson, L. Elmer, fa-Un .. Oasis
 Peterson, Irma, eSo Ferron
 Peterson, James E., ap-Un

..... Cedar Valley
 Peterson, Lawrence, c-So Provo
 Peterson, Leah H., a-F Richfield
 Peterson, Margaret, e-J .. Ephraim
 Peterson, Mervin H., a-So .. Payson
 Peterson, Noel R., c-Un Sandy
 Peterson, Parley A., ss Provo
 Peterson, Raymond F., fa-So

..... Pl. Grove
 Peterson, Roxie, e-J Provo
 Peterson, L. Walter, fa-S Provo
 Peterson, Violet, e-Sp Provo
 Petty, Wanda M., fa-So Nephi
 Phillips, Earl H., G Provo
 Phillips, Evans J., e-S Roosevelt
 Phillips, Gene Y., e-F Salt Lake City
 Phillips, Marie, e-F Lehi
 Phillips, Ray T., a-So Provo
 Phillips, Reed A., c-So Provo
 Pierce, Cleo, ss Springville
 Pierce, Don C., c-F Salem
 Pierce, Norman C., a-So Springville
 Pipkins, Mary M., c-F .. Springville
 Pitt, Howard, e-F Kamas
 Plummer, Harry, fa-F Heber
 Pollard, Mildred S., G

..... Winifred, Mont.
 Pollard, Pearl I., a-F

..... Winifred, Mont.
 Polly, Orville L., a-J Provo
 Polly, Ruth F., fa-So Provo
 Pomeroy, Gladys, ss Mea, Ariz.
 Porter, Mary M., e-J Morgan
 Porter, E. Wesley, c-J Provo
 Porter, Veda Jane, ap-S-ss .. Provo
 Potter, Ethylene, ss .. Bancroft, Ida.
 Potter, Glen S., fa-S .. Bancroft, Ida.
 Potter, Mildred, e-J Provo
 Poulson, Edith, e-So Provo
 Poulson, Leo A., a-F Provo
 Poulson, Merritt L., ss Schpio

- Poulson, Wendell M., a-J Provo
 Powell, Arthur, ss Payson
 Powell, Maurine, e-F Levan
 Powelson, A. Marion, e-J Provo
 Pratt, Bertha W., ss
 Col. Dublan, Mex.
 Pratt, Eugene F., ss Arco, Ida.
 Pratt, Victor T., c-So Hinckley
 Price, Ann, fa-F Beaver
 Price, Lorraine, ap-So Beaver
 Price, Pearl S., fa-Sp
 Bloomington, Ida.
 Prince, Cleamont A., e-F
 Gooding, Ida.
 Prince, Fenton J., e-F
 Gooding, Ida.
 Prince, Pauline, e-F Price
 Prior, Dean, a-S Sp. Fork
 Prior, Helen M., e-Sp-ss .. Sp. Fork
 Prior, May, e-So Sp. Fork
 Probert, Leo M., a-So Scipio
 Proctor, Annie, ss Sp. Fork
 Prothero, Walter, sSo Provo
 Pugmire, Stanford R., ss
 St. Charles, Ida.
 Pulsipher, Melba, fa-F Provo
 Purcell, Ronald W., ap-S
 Idaho Falls, Ida.

 Randall, Leroy, c-J North Ogden
 Randall, Linda, c-So Centerville
 Randall, Lorene, a-So .. North Ogden
 Rappleye, Daisy, e-Sp Kanosh
 Rasband, Mima, e-So .. Heber City
 Rasmussen, Lenore, ap-J Provo
 Rasmussen, Reed, e-F Lapoint
 Rasmussen, Boyd, c-So Richfield
 Rawlins, Fern, ss Logan
 Reed, Bertha J., fa-F Alamosa, Colo.
 Reid, F. Horace, fa-So .. Orangeville
 Reid, H. Lorenzo, ss St. George
 Reece, Norma, e-So Payson
 Reese, Merrill J., e-So
 Bloomington, Ida.
 Reeve, Mark J., a-J Hinckley
 Reynolds, Allen C., ss-Sp Springville
 Rich, Edith, a-So Paris, Ida.
 Rich, Stella P. G. .. Fish Haven, Ida.
 Richan, Dorothy, a-Sp Provo

 Richey, Guy, c-J .. St. Johns, Ariz.
 Richmond, Wanda, Sp Provo
 Richmond, Wayne, e-F Payson
 Riding, Rayda, e-F Delta
 Rigby, Thorval, e-J Fairview
 Riley, Madeleine, e-F Goshen
 Ripple, Glen, c-Sp Provo
 Ripple, Paul, a-F Provo
 Ritchie, Metta, e-So Provo
 Roberts, Bertha, G-ss Provo
 Roberts, Sytha B., Sp Provo
 Robertson, Garland, c-F Provo
 Robertson, Herbert A., a-So . Sp. Fork
 Robertson, J. Wesley, ss .. Springville
 Robertson, Reed O., c-F .. Sp. Fork
 Robertson, Thomas O., ap-So Sp. Fork
 Robbins, Blanche, ss .. Moreland, Ida.
 Robbins, LaCloe, ss .. Moreland, Ida.
 Robison, Dell H., c-So
 Logandale, Nev.
 Robison, Herma, s Ely, Nev.
 Robinson, Etelka, e-Sp Beaver
 Robinson, Ethel, ap-J Kanab
 Robinson, Florence, ap-S Provo
 Robinson, Glen, e-S Am. Fork
 Robinson, Ione H., Sp-ss Provo
 Robinson, Iris, fa-So. Provo
 Robinson, Lorette, ss Richfield
 Robinson, Lanna, ss Richfield
 Robinson, Mary, c-F Cedar City
 Robinson, Myda D., e-F, Paragonah
 Robinson, Naomi, fa-F, Farmington
 Robinson, Sherman, c- Lehi
 Robinson, Wendell, ss, Enterprise
 Robinson, Wm. Junius, ss .. Provo
 Romney, Mrs. Geo. S., Rexburg, Ida.
 Romney, Beth, ss .. Col. Juarez, Mex.
 Romney, Clea, ss .. Col. Juarez, Mex.
 Romney, Helen, ss, Col. Juarez, Mex.
 Romney, Owen T., G Provo
 Romney, Ruth H., Sp Provo
 Ross, Alma D., a-So Provo
 Ross, G. Raymond, ss Provo
 Ross, Keith, c-Un Vernal
 Rothe, Ruth, e-F Lehi
 Rowe, Helen, a-So Provo
 Rowe, John Allen, a-S, Spanish Fork
 Rowe, Minnie B., a-Sp Provo
 Rowe, Owen E., a-S .. Spanish Fork

Royland, Fred, a-So, Montpelier, Ida.
 Rowley, Edwardeen, e-F Provo
 Rowley, Jos. H., a-Un Provo
 Rowley, Geo. A., ss Helper
 Russell, Lædelle, e-So Kamas
 Russell, Lillian, ss Springville
 Russell, Marion L., ss Eureka
 Rust, Milton R., e-F Provo
 Rutherford, Clifford, fa-J, Fillmore

Sainsbury, Freda, ap-S-ss

..... St. Johns, Ariz.

Salisbury, Dona, fa-So, .. Springville

Sandgren, Clyde, c-F-ss Provo

Sandgren, Geo. E., a-Sp Provo

Sanft, Charles H., c-Un Tonga

Sanford, Josephine, e-So, Richfield

Sanford, Ray L., c-F Paul, Idaho

Sargent, Alden P., a-F Provo

Sargent, Bernice J., fa-Sp, Sp. Fork

Schofield, Josephine, e-F, Hiko, Nev.

Schow, Elden, a-F Lehi

Scorup, Caroline, ap-J Provo

Scorup, James M., c-F Salina

Scott, George C., ss Provo

Scott, G. Vernon, ap-F Provo

Seamount, Naomi, fa-J-ss Provo

Seegmiller, Flora, ss Richfield

Seegmiller, Glen W., Sp-ss, Richfield

Seegmiller, Marie, c-Sp .. St. George

Seegmiller, Vera, ap-J-ss, St. George

Seeley, Mary, e-F Mt. Pleasant

Seely, Dora, ss Castle Dale

Sells, Albert E., ss Roosevelt

Selin, Edith, ap-S-ss Benjamin

Senior, Lillian, ss Salt Lake City

Severson, Lillie, c-So Idaho Falls

Sevey, Lucille, e-F Salt Lake City

Sevy, V. M., ss Panguitch

Sharrer, Faye, ap-J Payson

Shawcroft, Mildred, a-F, La Jara, Col.

Shawcroft, Reese, a-F, La Jara, Colo.

Shawcroft, Zola, a-F, La Jara, Colo.

Shepherd, Rulon, e-S-ss, Paris Idaho

Shields, Bud Alma, a-J Provo

Shipley, Sylvia, e-F Am. Fork

Shoell, Ethel, ss Pl. Grove

Shoell, Geneva, e-Sp-ss Pl. Grove

Showalter, Ada, c-So Panguitch

Showalter, Mina, c-F Vernal

Sibbett, Betty, fa-F Provo

Sibbett, Edward H., c-S Provo

Siddoway, James B., c-F .. Bingham

Simmons, Henry R., a-S Payson

Singleton, Stella L., c-J, Am. Fork

Sjoberg, Lillian D., e-F .. Pl. Grove

Skousen, Basil W., c-J, Gilbert, Ariz.

Skousen, Clarence F., a-S

..... Gilbert, Ariz.

Skousen, Leah, ss .. Col. Juarez, Mex.

Skousen, Loran E., c-J, Gilbert, Ariz.

Skousen, Marvin, a-F, Gibert, Ariz.

Skousen, Viva, ss, Col. Juarez, Mex.

Skousen, Willmirth, ss

..... Col. Juarez, Mex.

Slade, H. Edward, ap-F, Eagar, Ariz.

Slack, Elmer, c-So Provo

Smart, Anna, ss Randlett

Smart, Henriette N., Sp-ss .. Provo

Smart, Nellie B., e-Sp Provo

Smart, Rowlee, a-F Provo

Smart, Ruth, e-So-ss Provo

Smith, Albert A., a-J Layton

Smith, Blaine H., a-J .. Springville

Smith, Eleanor, fa-Sp Provo

Smith, a-So Salt Lake City

Smith, Ernest P., a-So, Pl. Grove

Smith, Florice, c-F Draper

Smith, Geneva H., Sp Provo

Smith, James E., c-F Payson

Smith, Jasper, a-S Beaver

Smith, Julina, a-So .. Salt Lake City

Smith, LaRilla, e-F Beaver

Smith, Maude, ss Springville

Smith, Ruth, ap-J Springville

Smoot, Anna, e-S Provo

Smoot, A. Owen, c-S-ss Provo

Smoot, Ruth P., ap-Sp, Salt Lake City

Snell, John, c-J Spanish Fork

Snell, Vesta E., e-S Provo

Snow, Claude S., fa-So Provo

Snow, Elida, a-J St. George

Snow, Ella P., G Provo

Snow, Emma, ss Provo

Snow, Hattie T., ss Provo

Snow, Jennie K., Sp Provo

Snow, Perry E., ss Sastle Dale

Snow R. Thornton, c-J Provo

Sorensen, Clayton W., fa-So. Mt. Pleasant
 Sorenson, Dora, e-J Redmond
 Sorensen, Jos. S., a-So, Spanish Fork
 Sorensen, Wilma, fa-Sp, Mt. Pleasant
 Sowards, Anthony, c-So Provo
 Sowards, Beatrice, ss Provo
 Sowards, Vera, e-J-ss Provo
 Sowby, Shirley, c-So Nephi
 Sparks, Marjorie, c-So Provo
 Spear, Grace, a-Sp Provo
 Spencer, Ethel, ss Provo
 Spencer, Leland S., c-So Provo
 Spotten, Anna, fa-F Sanford, Colo.
 Sproul, Grace G., fa-Sp St. George
 Stahman, Fred S., a-So, Spanish Fork
 Stahman, Kathryn, ss, Spanish Fork
 Standifird, Diane, c-F, Fruita, Colo.
 Stanfield, Elwyn, c-F, Gannett, Ida.
 Stanfield, Leslie, ap-F, Gannett, Ida.
 Stanfield, Orville, fa-So, Gannett, Ida.
 Stanton, W. D., e-S Eureka
 Staples, George, a-J Elsinore
 Starbuck, Lois, e-J, Bellingham, Wash.
 Stark, Eleanor, fa-S Spanish Fork
 Starley, Reed G., c-S Fillmore
 Startup, Naomi, ap-J-ss Provo
 Startup, Norell, ap-So Provo
 Steadman, Aileen, e-So Riverton
 Steadman, Beth, ss Riverton
 Steed, Melva, e-F Farmington
 Steele, Marl W., a-F Am. Fork
 Stephenson, Allen, e-So Holden
 Stephenson, Ellen C., ss Delta
 Steuhenson, Jos. M., e-So Holden
 Stephenson, Edwin R., ap-Un, Holden
 Steuhenson, Ruth B., e-So, Fillmore
 Sterling, Helen, e-F Spanish Fork
 Stevens, Brig, a-Sp-ss Provo
 Stevens, Stoll, e-Un Payson
 Stewart, Dorothy, ap-S Provo
 Stewart, Helena, a-S Provo
 Stewart, Henry M., a-F-ss Provo
 Stewart, Izola, fa-F Lehi
 Stewart, Max W., a-J Payson
 Stewart, Preston R., ss Provo
 Stewart, Raymond, c-F Provo
 Stewart, Scott P., a-So Provo
 Stewart, Zella, ap-So Payson

Stice, e-So-ss Am. Fork
 Stock, Vena, e-F, Waterflow, N. Mex.
 Stoker, Florence, ss Spanish Fork
 Stoker, Ida, e-So Spanish Fork
 Stone, Lenora, e-F Salem
 Storrs, Betha, fa-So Am. Fork
 Strate, Fred C., e-Sp Provo
 Straw, Lucile, ap-S Springville
 Strickler, Beulah, e-F Ogden
 Strong, Lola, e-So Springville
 Strong, Maxine, c-Sp Provo
 Strong, Waldo J., c-So Provo
 Stucki, Ernest E., ap-So, Santa Clara
 Stucki, Ethen, ss Santa Clara
 Stucki, Ferdinand K., a-S, St. George
 Stucki, Merrill, c-S, Santa Clara
 Stucki, Roland, c-J Santa Clara
 Sumner, Elton J., c-S Provo
 Sumner, Kieth L., c-So Provo
 Summerhays, Clyde J., a-F
 Salt Lake City
 Sumsion, Melba, ss Springville
 Sundquist, Ellen L., e-So
 Pleasant Grove
 Sutherland, Albert A., c-Un, Am. Fork
 Sutherland, Kenneth, e-Un
 Salt Lake City
 Sutton, Mae, a-F Provo
 Swallow, Don D., a-F Meadow
 Swenson, August, c-F, Spanish Fork
 Swenson, Elizabeth, a-F, Pl. Grove
 Swenson, Helen, a-S Pl. Grove
 Swenson, Leah, a-F, Spanish Fork
 Swenson, Louise, a-F Provo
 Swenson, Margaret, Sp Provo
 Swenson, Russell, ss Pl. Grove
 Swenson, Wilford M., ss, Pl. Grove
 Sylvester, Ralph, c-J Eureka
 Syme, Geo. L., c-Sp Provo
 Tanner, Abner, c-Un Provo
 Tanner, Annie A., G Provo
 Tanner, Geo. S., ss Sugar, Idaho
 Tanner, Helen, ss Ogden
 Tanner, Ida, ap-J Provo
 Tanner, Mary, ss, Salt Lake City
 Tanner, Mildred H., ss, Sugar City
 Tanner, Obert C., ss, Salt Lake City
 Tanner, Ruth, ss Ogden

- Tanner, Wm. K., ap-So, Whitney, Ida.
 Taylor, Alice, fa-S Provo
 Taylor, Clarence, c-So Provo
 Taylor, Dortha, e-So Loa
 Taylor, Eva, ss .. Col. Dublan, Mex.
 Taylor, Fae R., a-F Lehi
 Taylor, Hazel, ap-J Ogden
 Taylor, Henry D., c-S Provo
 Taylor, Howard D., a-So .. Payson
 Taylor, Katherine, fa-S-ss
 Salt Lake City
 Taylor, Katie P., ss, Col. Dublan, Mex.
 Taylor, Lucille, ss
 Col. Dublan, Mex.
 Taylor, Mary, ap-S Provo
 Taylor, J. Max, a-S Provo
 Taylor, Nile N., ap-F, Banida, Ida.
 Taylor, Paul W., a-F Provo
 Taylor, Rhea, a-J Provo
 Taylor, Samuel W., a-So Provo
 Taylor, R. Wayne, e-F Loa
 Taylor, Theresa, ss Lehi
 Taylor, Wendell H., a-F Provo
 Telford, Carol, ss, Col. Juarez, Mex.
 Terry, Andrew J., e-F,
 Metropolis, Nev.
 Terry, Dean E., a-J Provo
 Terry, Lillian, e-F Provo
 Tervort, Evva, ap-F-ss Payson
 Thatcher, Dennis, c-J Provo
 Thayne, Delbert O., a-So .. Sandy
 Thiriot, Joseph E., fa-So, Hiko, Nev.
 Thomas, Fern S., ss Provo
 Thomas, Rhoda B., c-J, Spanish Fork
 Thomas, Martha, e-J Provo
 Thomas, Max, a-S Spanish Fork
 Thomas, Ora, ap-S-ss Heber City
 Thompson, Burton, ss Scipio
 Thompson, Elaine, e-So Aurora
 Thompson, Sidney, ap-F, La Verkin
 Thorne, Lucile, c-F Provo
 Thorn, Paul A., e-So .. Springville
 Thornton, Jos. W., ss Provo
 Thornton, Julia, e-So Delta
 Thornock, e-F, Bloomington, Ida.
 Thurber, Ezrel, fa-F, St. Johns, Ariz.
 Thurgood, J. Grant, c-J.... Provo
 Timothy, Elmer, ap-S Vernal
 Tippetts, Kate, ss Spanish Fork
 Tippetts, Vernal F., e-So-ss, Benjamin
 Tippetts, Virginia S., e-So.....
 Salt Lake City
 Tobler, Donald, ap-S, Bunkerville, Nev
 Todd, Irwin, fa-F Cedarview
 Tolhurst, Delsa, ap-J Payson
 Toone, Theo, P., e-F .. Gooding, Ida.
 Toone, Clifford S., e-F . Gooding, Ida.
 Troyer, Evelyn, c-Sp Provo
 Tueller, Golden R., a-J .. Paris, Ida.
 Turley, Wallace M., ap-F,
 Woodruff, Ariz.
 Turner, Floy L., e-Sp Provo
 Tuttle, Helen, e-F .. Spanish Fork
 Tuttle, Hubbard, ss .. Spanish Fork
 Tuttle, Lucile, ss Manti
 Udell, T. Dean, a-S Lehi
 Vacher, Clarence, a-So Provo
 Vacher, Gaston, c-Sp Provo
 Valentine, Erma, ap-So, Sanford Colo.
 Vance, Elma, a-Sp-ss Provo
 Vance, Serena B., ss Provo
 Vance, Wendell, a-F Provo
 Van Leuven, Ardeen, a-F, Springville
 Van Leuven, Lyda, e-Un Provo
 Van Wagenen, Clifton, c-Sp, Provo
 Van Wagenen, Harold, c-F .. Provo
 Van Wagenen, Loree, a-Sp .. Provo
 Vawdrey, Lucile, e-So Draper
 Vawdrey, Wendell C., a-F .. Draper
 Vest, Lucille, e-F Mona
 Vincent, Glen, a-So Provo
 Vincent, Rowe, c-So Provo
 Vogel, Bertha, e-So Provo
 Wade, Lois, c-So Farmington
 Waddoups, Bernice, fa-S, Honolulu
 Wadley, Bryce, ap-So Pl. Grove
 Wadley, Laverie J., c-S .. Pl. Grove
 Wadsworth, Bond, ss, Panaca, Nev.
 Wakefield, Lynn, a-Un Provo
 Wakefield, Nita, fa-J Provo
 Wall, Alonzo E., ss Santaquin
 Wall, Charles A., c-S, Mt. Pleasant
 Wall, Glade, a-F Santaquin
 Walker, Bernard, a-F .. Am. Fork
 Walker, Jesse, a-F ;;;... Pl. Grove

- Walker, Laura, e-F Pl. Grove
 Walker, Lucille, ss Pl. Grove
 Walker, Nellie, a-Sp Provo
 Wallentine, Roberts, a-S, Paris, Ida.
 Warren, Burton, c-Un, Mapleton
 Warner, Vernell, e-So Fillmore
 Warnick, Angelyn M., ap-J, Pl. Grove
 Warnick, Carl G., c-F Provo
 Warnick, Miriam J., e-F .. Pl. Grove
 Washburn, Barr, c-So Provo
 Watts, Ruth D., fa-J-ss Provo
 Waters, Leona O., e-J .. Rigby, Ida.
 Waymire, Margaret, a-F,
 Overton, Nev.
 Webb, Bell, a-F Salina
 Webb, Garn, a-S Provo
 Webb, Glenn, fa-S Lehi
 Webb, Ina, fa-J Provo
 Webb, John H., a-F Am. Fork
 Webster, Daisy, ss, Blackfoot, Idaho
 Webster, Janet, e-F Provo
 Weeks, Noma, ap-S Pl. Grove
 Weight, Bert H., c-F Provo
 Weight, Blanche, e-So .. Springville
 Weight, Nolan, a-F Springville
 Weight, Ormon R., fa-So, Springville
 Weight, Reed L., c-So Provo
 Welker, Maureen, a-So, Paris, Idaho
 Welker, Wright, a-So, Montpelier, Ida.
 Wells, Katherine, e-So,
 Logandale, Nev.
 Wells, John T., ss, Salt Lake City
 Wells, Lavinia, e-So, Logandale, Nev
 Wentz, Helen T., ss Provo
 Wentz, Monta, fa-F Provo
 Wentz, Vernon, a-So Provo
 Wentz, Zenda, a-So Provo
 Weston, Annie, ss, Mancos, Colo.
 West, Hazel Ione, e-J
 Idaho Fall, Ida.
 West, LaVarda, e-F Pl. Grove
 West, Lloyd L., e-F Pl. Grove
 West, Owen D., a-So Pl. Grove
 Westergard, Fermin, a-J .. Ogden
 Westrope, Hazel, ss Provo
 Westwood, James B., a-F Provo
 Westwood, John, a-F Provo
 Whatcott, Esther, ss Mesa, Ariz.
 Whatcott, Thomas A., ss, Kanosh
 Wheeler, Aleene, e-So, Springville
 Wheeler, Alton A., ap-So, Springville
 Wheeler, Beatrice, e-F, Springville
 Wheeler, Bert, a-S Springville
 Wheeler, Ellen, ap-So .. Springville
 Wheeler, Goldie G., ss, Silver City
 Whetten, Lester B., ap-F
 Col. Juarez, Mex.
 Whitaker, Susa P., Sp Provo
 Whitaker, Warren S., c-So .. Provo
 Whittaker, Virginia, fa-J, Springville
 White, Melba, ss Beaver
 Whitehead, Bertha, ss Provo
 Whitesides, Helen, ap-J .. Layton
 Whiting, Frank M., fa-J, Charleston
 Whiting, Fred, e-F, Wallsburg
 Whiting, Harold J., c-J, Springville
 Whiting, Lamar, a-So Provo
 Whiting, Ray, a-J Springville
 Whiting, Ronald, ap-F Provo
 Whiting, Quinn, a-F .. Mapleton
 Whiting, Vernon, a-J Payson
 Wightman, Rhea, fa-F Payson
 Wilcock, Helen E., a-So, Lovell, Wyo.
 Wilde, Vivian, e-F .. Spanish Fork
 Willett, Virginia, a-F .. Pl. Grove
 Wilkins, Ervin R., c-F Provo
 Wilkinson, Elva, ap-J Ogden
 Wilkinson, Glen A., c-F Ogden
 Williams, Archie, fa-J, Spanish Fork
 Williams, LaRue, ss Provo
 Williams, Laura, ap-Un Goshen
 Williams, Nephi, ss Castledale
 Wilson, Blanche, e-F Midway
 Wilson, Clarence, c-So Nephi
 Wilson, Keith, a-F Richfield
 Wilson, Della V., e-F Payson
 Wilson, Frank R., c-S Nephi
 Wilson, Rea, ap-So Payson
 Winn, Waldo, c-F, Chandler, Ariz
 Winder, E. Joseph, a-F Vernal
 Winget, Rulon, a-So Monroe
 Winters, Ruth E., ap-F, Castledale
 Winterton, Zelma E., a-F .. Provo
 Wiscombe, Myre, e-So Provo
 Wittwer, M. Fern, a-So,
 Los Vegas, Nev.
 Wixom, William, a-J Etna, Calif.
 Woodruff, Ruth A., fa-So

..... Pasadena, Calif.	Wright, J. Leslie, a-S .. Hinckley
Woodward, Emily T., ss Provo	Wright, Thelma, e-So .. Pl. Grove
Woolston, James T., a-So .. Lehi	
Woffinden, Ruth, ss Provo	Yack, John, c-J Neola
Worsley, Sadie P., G-ss Provo	Yorgason, Robert, c-F
Worthen, Lorna, ss St. George	..... Burlington, Wyo.
Worthen, Lucile, e-S .. St. George	Young, Bessie, fa-So, Brigham City
Worthen, Vernon, ss St. George	Young, Melba, e-F Mona
Worthington, Vernal, c-S .. Provo	Young, Mildred, e-F Provo
Wright, Addie M., fa-J-ss .. Provo	Young, Walter E., ss,
Wright, Elva, e-So Idaho Falls	..... Col. Juarez Mex.
Wright, Emily, ap-So .. Pl. Grove	Young, Newel K., ss-So .. Moroni
Wright, Harold M., a-S .. Pl. Grove	
Wright, Janus E., a-F .. Hinckley	Zabriskie, Arthur, c-F Provo

SUMMARY OF STUDENTS 1928-1929

Graduates	37
Seniors	173
Juniors	214
Sophomores	372
Freshmen	468
Specials	159
Unmatriculated	34

1457

Summer School 1928:

Graduates	48
Other Students	348

396

Correspondence and Extension

305

Secondary Training School:

Senior High School	132
Junior High School	104

236

Elementary Training School

238

2632

Less those counted more than once

224

Number receiving institutional credit

2408

Accomodations	44
Accounting and Business Administration	66
Administrative Officers	6
Admission	47
Agricultural Club	36
Agronomy	72
Alpha Kappa Psi	40
Animal Husbandry	79
Anthropology	122
Art	79
Art Club	36
Astronomy	122
Auto Mechanics	142
Awards	42
A. W. S.	34
Bachelor Degrees	51
Block "Y" Club	34
Board of Trustees	5
Botany	84
B. Y. U. Women's Organization	40
Chemistry	89
Church School Officers	5
Classification of Students	49
Clubs and Societies	35
College of Applied Science	58
College of Arts and Sciences	58
College of Commerce	59
College of Education	59
College of Fine Arts	63
Committees, Standing	26
Course Divisions	48
Correspondence Instruction	228
Courses of Instruction	66
Credits	50
David Star Jordan Biology Club	39
Dean of Women	46
Departments of Instruction	31
Discipline	45
Drafting	105
Drama League, The	36
Economics	94
Educational Administration	97
Election of Studies	48
Elementary Teaching	100
Elementary School Faculty	233
English	108
Enrollment of Students	250
Extension Division, The	223

Faculty Fine Arts Club	40
Faculty Science Club	41
Fees	65-226
Finance and Banking	114
French	149
French, German and Spanish Clubs	37
Frears Club	38
Gamma Phi Omicron	37
General Requirements	47
Geographical Clubs	39
Geology and Geography	116
German	146
Graduate Club	39
Graduate School	53
Graduates	241
Graduation	50
High School Activities	235
History of University	27
History	123
Home Economics	129
Home Economics Club	37
Horticulture	137
Instrumental Music	157
Latin	153
Leadership Week	227
Library	46-139
Literary Club, The	37
Loan Funds	32
Lower Division Requirements	52
Lyceum	32
Master Degree Requirements	55
Mathematics	140
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